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United States Department of Agriculture

Agricultural Cooperative Service

ACS Service Report Number 19

Farmer Cooperative Statistics, 1986

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ABSTRACT

FARMER COOPERATIVE STATISTICS, 1986 by Ralph M. Richardson, Celestine C. Adams, Katherine C. DeVille, Beverly L. Rotan, and John W. Stutzman, Cooperative Management Division, Agricultural Cooperative Service, U.S. Department of Agriculture, Washington, DC 20250, ACS Service Report 19, December 1987.

A survey of U.S. farmer cooperatives for calendar year 1986 showed a drop in business volume and a continuing decline in number of organizations and memberships. Gross business and net business volume are reported for 5,369 cooperatives. Business volume, number of cooperatives, and cooperative memberships are reported by commodity for those cooperatives classified as marketing, farm supply, and related service. Cooperative growth trends show changes in cooperative members, business size, and sales volume. Data on balance sheet and net margins, number of full-time employees, and selected activities of other service organizations are presented.

Key words: cooperatives, statistics, business volume, memberships, balance sheet, net margins, full-time employees.

ACS Service Report 19, December 1987.

PREFACE

Farmer cooperative statistics are collected annually to provide information on the progress and trends in cooperatives' growth and development. Many people use these statistics for various purposes such as research, technical assistance, education, planning, and public policy. Acquiring, analyzing, and disseminating farmer cooperative statistics are authorized by the Cooperative Marketing Act of 1926.

This report provides aggregate information on the number, membership, and business volume of farmer cooperatives classified by commodity, and functional type. Both gross (includes intercooperative business) and net (excludes intercooperative business) dollar volumes of cooperatives are shown.

Basic information is provided on the balance sheet and net margins of farmer cooperatives by principal product marketed and major functional type.

Statistics for 1986 are presented on a national basis only. Therefore to provide detailed information on farmer cooperatives, data for 1985 are shown where 1986 data are not available.

Data are collected from individual farmer cooperatives by mail survey of organizations identified by Agricultural Cooperative Service (ACS) as meeting the requirements of the ACS definition of a farmer cooperative.

A combination of census and sampling procedures is employed to reduce the work of collecting and assembling data, to reduce respondent burden, and to enable more timely publishing of statistics.

A full census of all farmer cooperatives is conducted every 4 years. Stratified random samples are used in the alternate years. The 1986 survey is a sample enumeration.

ACS depends on the cooperative community's response to its annual survey to develop a detailed and comprehensive set of statistics on farmer cooperatives. The time and effort taken to provide information and the rapidity with which it is furnished are greatly appreciated.

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CONTENTS

	Page
HIGHLIGHTS	v
I--DEFINITION OF A FARMER COOPERATIVE	1
Classification of Cooperatives	1
Organizational Structures	2
Centralized	2
Federated	3
Mixed	3
II--COOPERATIVE GROWTH TRENDS	3
Number of Organizations	3
Business Size	3
Business Volume	6
III--1986 STATISTICS	7
Number of Cooperatives	7
Memberships	10
Number of Full-time Employees	10
Business Volume	19
Balance Sheet	25
Net Margins	25
Other Service Organizations	38
Federal Land Bank Associations	38
Production Credit Associations	38
Banks for Cooperatives	43
Rural Credit Unions	43
Rural Electric Cooperatives	43
Rural Telephone Cooperatives	43
Dairy Herd Improvement Associations	43

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HIGHLIGHTS

The 1986 survey of marketing, farm supply, and related service cooperatives showed a decline in business volume and number of memberships and organizations as well as a decrease in net margins.

Total gross business volume (including intercooperative business) handled by cooperatives amounted to $73 billion, down 14.2 percent from $85.1 billion in 1985.

Total net business, excluding business done between cooperatives, amounted to $58.4 billion, down 11 percent from the $65.6 billion in 1985.

The total number of cooperatives dropped from 5,625 to 5,369, a net decrease of 256 associations. Each year, new cooperatives are formed and others disappear as they go out of business due to consolidation, merger, acquisition, or unsuccessful operations.

Cooperative memberships of 4,781,216 dropped to 4,401,757 in 1986, a decrease of 7.9 percent.

The gross value of farm products marketed by cooperatives amounted to $47.6 billion, a decrease of 16.5 percent from $57 billion. The net value of these farm products, after eliminating duplication resulting from intercooperative business, amounted to $41.5 billion, a 12.2-percent decrease from $47.3 billion.

The gross value of farm supplies handled by farmer cooperatives amounted to $23.6 billion, decreasing 10.6 percent from $26.4 billion in 1985. The net value of these supplies, after intercooperative business was eliminated, amounted to $15.1 billion, down 9.3 percent from $16.6 billion.

Receipts for services related to marketing farm products and handling farm supplies amounted to $1.8 billion, an increase of 7.3 percent from $1.6 billion.

Combined assets for all farmer cooperatives totaled $26.5 billion, down 4.6 percent from the $27.8 billion for 1985. Net assets, after eliminating intercooperative investments, were $23.6 billion in 1986, compared with $24.5 billion in 1985, a 3.6-percent decrease.

Total liabilities were $14.6 billion in 1986, down 7.2 percent from $15.7 billion reported in 1985.

Net worth, or member and patron equity, decreased more than 1.3 percent from $12.1 to $11.9 billion. Member and patron equity financed 44.9 percent of total assets, up from 43.4 percent.

Farmer cooperatives' net margins were more than $688 million, an 11.3-percent decrease from the $775 million in 1985. The $688 million included intercooperative dividends and refunds of $140.4 million--down 33 percent from $210 million in 1985.

Farmer cooperatives employed 166,560 full-time employees, compared with 203,558 in 1981 (the last year information was collected)--an 18.2-percent decrease. Full-time employees in marketing cooperatives totaled 101,671. Dairy cooperatives had 37,441 full-time employees, while grain cooperatives employed 25,560. Farm supply cooperatives accounted for 62,041 employees. Cooperatives performing related services only employed 2,848 personnel in 1986.

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I--DEFINITION OF A FARMER COOPERATIVE

For inclusion in the annual survey, a cooperative is defined as one that meets the following requirements:

(1) Farmers or agricultural producers hold the controlling interest in the cooperative; (2) no member of the cooperative is allowed more than one vote because of the amount of stock or membership capital owned, or the cooperative does not pay dividends on stock or membership capital in excess of 8 percent a year, or the legal rate in the State, whichever is higher; and (3) the cooperative does not deal in products of nonmembers in an amount greater in value than it handles for its members.

This definition may result in showing a larger or smaller number of farmer cooperatives than found in lists or directories of State agencies or cooperative councils. Agricultural Cooperative Service (ACS) includes only marketing, farm supply, and related service cooperatives on its list. Livestock shipping associations and wool pools are included as marketing cooperatives. Many State lists include other types of cooperatives such as production, credit, telephone, electric, and consumer cooperatives as well as those that do not fulfill ACS's definition. Another reason for differences in the count or number of cooperatives is that cooperatives may operate in a specific State for a considerable period of time before they are included in the national survey. This may be due to one of the following reasons: (1) ACS may not learn of the existence of the cooperative immediately; (2) the cooperative may not have completed and returned the initial questionnaire; or (3) no notification is received of a cooperative that quits operating.

Readers who wish to make comparisons from year to year in specific commodity groups, therefore, should keep in mind the differences in lists and classifications in State and Federal data.

Classification of Cooperatives

Statistics are presented according to a cooperative's major function or classification, such as marketing, farm supply, and related service. These classifications are defined as follows:

Marketing cooperatives are associations whose primary business is marketing farm products for members--that is, more than 50 percent of total dollar volume was derived from the sale of members' farm products. Marketing cooperatives are further classified according to which major commodity of 13 classifications is predominant (in terms of dollar volume) in each association's business. If a cooperative consistently indicates it is handling a larger volume of a commodity than the one it was originally organized to handle, and which provided the basis for its initial classification, it is reclassified by the commodity currently representing the predominant product in its business volume.

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Cooperatives first furnished data by individual commodities handled and services performed in the 1950-51 survey. 1/ Cooperatives operating on a multistate basis were asked to furnish information on memberships and business volumes for the individual States they served. Before that time, all memberships and business were credited to the States in which each association maintained its headquarters.

Farm supply cooperatives are those whose farm supply business accounted for more than 50 percent of total dollar volume.

Farm supply cooperatives include those handling all types of farm production supplies and equipment such as feed, seed, fertilizer, petroleum products, farmstead equipment, and building supplies. Some also handle farm and home items such as heating oil, lawn and garden equipment, and food.

Major functions of related service cooperatives are trucking, storing, drying, artificial insemination, or similar services related to marketing or farm supply activities.

Many cooperatives handle more than one commodity and provide both marketing and farm supply facilities, as well as facilities and equipment to perform related services such as storing, drying, and trucking. These associations are classified according to the predominant commodity or function as indicated by their business volumes.

Additional data on the number, participation, and activity of other types of service cooperatives or organizations, such as rural electric cooperatives, production credit associations, rural credit unions, and dairy herd improvement associations, are summarized.

Organizational Structures

Centralized

Most farmer cooperatives are centralized organizations. Individual farmers make up the membership. These 5,197 centralized cooperatives usually serve a local area or community, county, or several counties. Most local associations usually perform a limited number of the first steps of marketing. In farm supply associations, practically all sales are at the retail level. A few centralized cooperatives operate over large geographic areas and have members in several States. They often provide more vertically integrated services such as processing farm products or manufacturing feed and fertilizer.

Bargaining associations usually have centralized organizational structures. These associations derive all or a major portion of business volume from negotiating with distributors, processors, and other buyers and sellers over price, quantities, grade, terms of sale, and other factors involved in marketing farm products; only a few bargain for the purchase of farm supplies. While the primary function of such

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1/ A detailed discussion of the revisions initiated in statistical methods in 1950-51 was given in Statistics of Farmers' Marketing, Purchasing, and Service Cooperatives, 1950-51, U.S. Dept. Agri., Farm Credit Admin., Misc. Rpt. 169, pp. 1-3.

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an association is to bring buyers and sellers together to contract for the sale of members' products, many bargaining associations now perform additional functions. For example, dairy bargaining associations at one time generally performed only price negotiation. Now, many perform additional functions, such as physically handling a portion of the milk and making spot sales for their patrons. Bargaining associations, like other dairy marketing cooperatives, represent their members at Federal or State milk marketing order hearings.

Federated

Federated cooperatives comprise two or more member associations organized to market farm products, purchase production supplies, or perform bargaining functions.

Member associations often operate at points quite distant from federation headquarters. One hundred and one federated cooperatives have been identified. Individual farmers are not members of strictly federated associations; rather, they are members of cooperatives that comprise the federation--sometimes called a regional cooperative. Also, some federations are made up of regional cooperatives--often called interregional associations.

Mixed

A small number of cooperatives have both individual farmer-members and autonomous cooperative members. Therefore, these associations are a combination of both the centralized and federated structures. Often, these cooperatives serve large geographic areas with members in many States and provide a variety of integrated services. Seventy-one cooperatives have been identified as having a "mixed" structure.

II--COOPERATIVE GROWTH TRENDS

As cooperatives declined in number, they grew in size and increased their importance as purchasers of supplies and marketers of products for members. Business volume of farmer cooperatives increased nearly 34 percent (with some fluctuation in the early 1980's) in the decade between fiscal year 1977 and calendar year 1986.

Number of Organizations

The total number of marketing, farm supply, and related service cooperatives declined from 6,736 in 1977 to 5,369 in 1986 (table 1 and fig. 1). The number of marketing cooperatives declined from 4,008 to 3,260 and farm supply cooperatives from 2,593 to 1,971. Number of service cooperatives increased slightly from 135 to 138.

Business Size

Measured by annual gross business volume, farmer cooperatives increased in size. Although the majority of cooperatives remain small and primarily serve local areas, a growing number are seeking regional, national, or even international markets as a means of business growth and survival.

The increased size of individual cooperatives comes in part from mergers and consolidations. However, data used were not adjusted for changes in price levels and some size changes are due in part to inflationary effects.

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Table 1—Number and percentage of predominantly marketing, farm supply, and related service cooperatives, selected years

Period 1/	Marketing		Farm supply		Related service		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1950-51	6,519	64.8	3,283	32.6	262	2.6	10,064	100.0
1955-56	6,284	63.5	3,375	34.1	235	2.4	9,894	100.0
1960-61	5,727	62.5	3,222	35.2	214	2.3	9,163	100.0
1961-62	5,626	62.2	3,206	35.5	207	2.3	9,039	100.0
1962-63	5,502	61.8	3,211	36.0	194	2.2	8,907	100.0
1963-64	5,421	61.3	3,226	36.5	200	2.2	8,847	100.0
1964-65	5,305	61.9	3,085	35.9	193	2.3	8,583	100.0
1965-66	5,194	62.4	2,949	35.4	186	2.2	8,329	100.0
1966-67	5,076	62.5	2,871	35.3	178	2.2	8,125	100.0
1967-68	4,929	62.1	2,835	35.7	176	2.2	7,940	100.0
1968-69	4,773	61.6	2,793	36.1	181	2.3	7,747	100.0
1969-70	4,834	62.1	2,775	35.6	181	2.3	7,790	100.0
1970-71	5,097	63.7	2,731	34.2	167	2.1	7,995	100.0
1971-72	4,864	62.4	2,781	35.7	152	1.9	7,797	100.0
1972-73	4,897	62.3	2,801	35.7	156	2.0	7,854	100.0
1973-74	4,822	62.2	2,778	35.8	155	2.0	7,755	100.0
1974-75	4,770	62.4	2,729	35.7	146	1.9	7,645	100.0
1975-76	4,658	61.8	2,731	36.3	146	1.9	7,535	100.0
1976-77	4,008	59.5	2,593	38.5	135	2.0	6,736	100.0
1978 2/	3,930	59.6	2,550	38.6	120	1.8	6,500	100.0
1979	3,325	59.3	2,507	38.9	113	1.8	6,445	100.0
1980	3,808	60.5	2,369	37.7	116	1.8	6,293	100.0
1981	3,743	60.3	2,355	37.9	112	1.8	6,211	100.0
1982	3,714	60.7	2,299	37.5	112	1.8	6,125	100.0
1983	3,647	60.9	2,208	36.9	134	2.2	5,989	100.0
1984	3,514	60.8	2,136	36.9	132	2.3	5,782	100.0
1985	3,441	61.2	2,036	36.2	148	2.6	5,625	100.0
1986	3,260	60.7	1,971	36.7	138	2.6	5,369	100.0

1/ For years before 1950-51, see appendix table 5, FCS General Report 128 in libraries.
2/ Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data were included for the calendar year. Data for 1978 were estimated.

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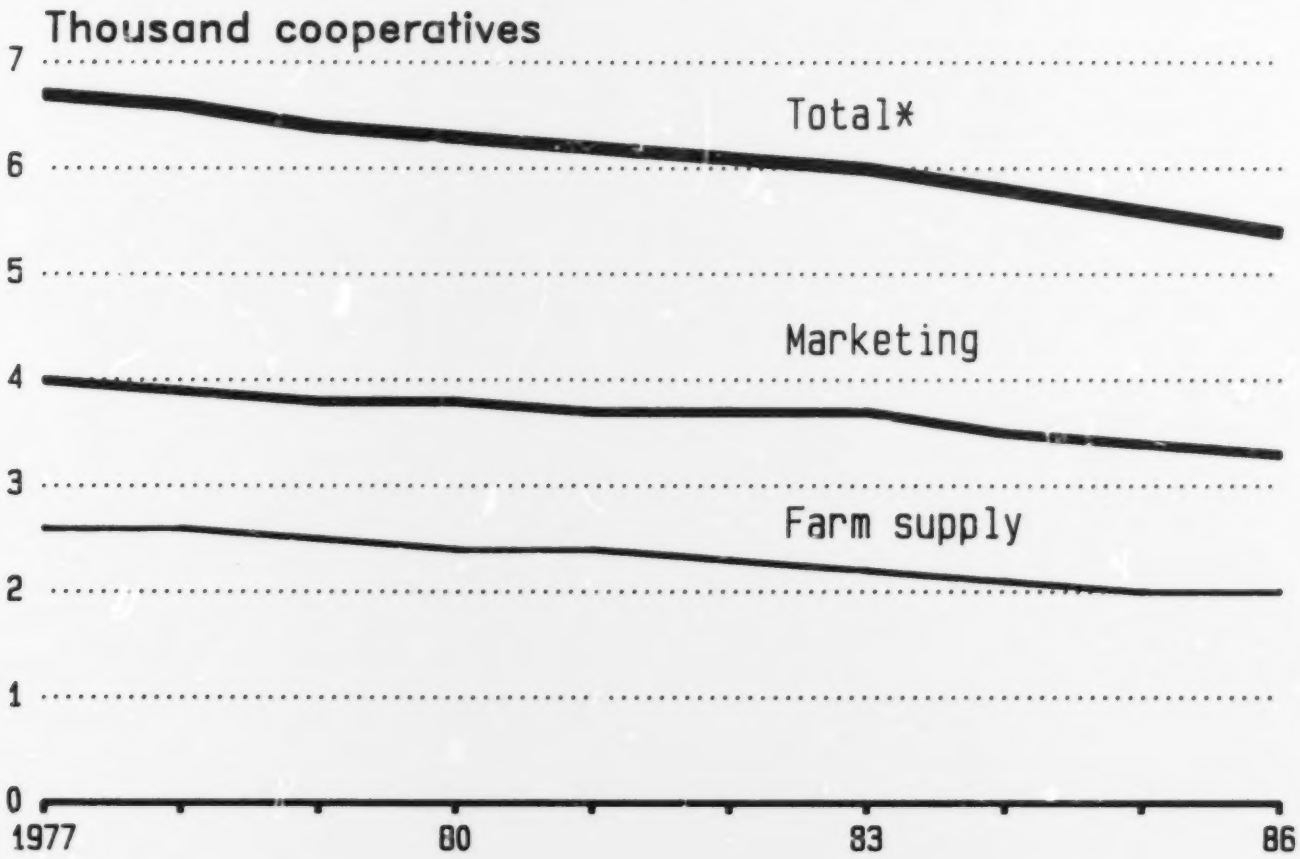
Figure 1

Farmer Cooperatives in the U.S.



*Total includes a small number of cooperatives that provide specialized related services.

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In 1986, 91.6 percent of all farmer cooperatives reported business volumes of less than $15 million, representing 22.9 percent of the total gross dollar volume (table 2). Only 1 percent of farmer cooperatives reported business volumes of $200 million or more. These cooperatives, however, accounted for 50.5 percent of total sales compared with 45.3 percent in 1977.

The 100 largest cooperatives (usually operating over large geographic areas) make up an important segment of farmer cooperatives. During 1977, the 100 largest cooperatives accounted for about $34.1 billion, or 58 percent of total gross business volume. By 1986, the 100 largest cooperatives 2/ accounted for more than $43.3 billion in business volume, 59.8 percent of the total. These cooperatives, however, directly and through member cooperatives serve a large proportion of the total memberships.

Business Volume

Net cooperative business, unadjusted for changes in the price level, increased from $43.6 billion in 1977 to $58.4 billion in 1986 (table 3 and fig. 2).

During this period, marketing of farm products declined from 74 to 71 percent of annual net business volume; purchases of production supplies rose from 24 to 26 percent; and related services increased slightly from 2 to 3 percent.

Marketing volume increased from $32.1 billion to $41.5 billion, supplies purchased from $10.6 billion to $15.1 billion, and services provided from $893 million to $1.8 billion.

Four commidity groups--dairy; grain, soybeans, and soybean meal and oil; fruits and vegetables; and livestock--decreased slightly from 84 percent of all products marketed in 1977 to 83 percent in 1986.

In 1986, dairy and fruits and vegetables showed a moderate increase from 1977 in proportion of total cooperative business. Grain, soybeans, and soybean meal and oil and livestock and showed a decrease. Among lesser commodities, tobacco and wool and mohair declined.

In the farm supply group, three items--petroleum, fertilizer, and feed--were especially important. They accounted for 74 percent of the total production supply business in 1977 but decreased to 72 percent in 1986.

Considering changes in the production supplies group, the proportion of total business volume accounted for by feed and fertilizer declined, while petroleum showed an increase. Farm chemicals, seed, and other production supplies also increased in proportion.

2/ Based on amount of annual gross sales (includes intercooperative sales) but without regard to size of assets.

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Table 2--Farmer cooperatives grouped by gross business volume, 1986

Volume group	Cooperatives		Dollar volume	
	Number	Percent of total	Gross 1/ (000)	Percent of total
Less than $15 mil.	4,919	91.6	16,695,516	22.9
$15-24.9 mil.	179	3.3	4,273,024	5.9
$25-49.9 mil.	116	2.2	4,421,777	6.1
$50-99.9 mil.	57	1.1	4,109,108	5.6
$100-199.9 mil.	44	0.8	6,645,206	9.1
$200-249.9 mil.	8	0.1	1,764,866	2.4
$250-499.9 mil.	24	0.5	8,275,354	11.3
$500-999.9 mil.	14	0.3	9,911,387	13.6
$1,000 mil. and over	8	0.1	16,881,994	23.1
Total	5,369	100.0	72,978,232	100.0

1/ Includes intercooperative volume.

III--1986 STATISTICS

Number of Cooperatives

The 1986 survey accounted for 5,369 marketing, farm supply, and related services 3/ cooperatives, compared with 5,625 in 1985.

The decrease of 256 associations, 4.6 percent fewer, largely reflected a continuing trend involving merger, consolidation, acquisition, or dissolution.

Of the 5,369 cooperatives, 3,260 primarily marketed farm products, 1,971 handled farm production supplies, and 138 provided related services.

Comparison of 1986 to 1985 shows that marketing cooperatives decreased from 61.2 to 60.7 percent of the total number of cooperatives; farm supply cooperatives increased from 36.2 to 36.7 percent; and related service cooperatives remained the same at 2.6 percent.

3/ Related services include trucking, storage, grinding, drying, artificial insemination, and similar services affecting the form, quality, or location of farm products and supplies handled by cooperatives. They do not include credit, electric, telephone, or other such services not directly related to marketing or purchasing activities.

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Table 3—Number and net volume of cooperatives handling farm products, farm supplies, and service receipts, 1977 and 1986 1/

Item	1977		1986	
	Cooperatives handling	Net volume	Cooperatives handling	Net volume
	No.	1,000 dol.	No.	1,000 dol.
Products marketed:				
Beans and peas (dry edible)	51	98,506	49	146,958
Cotton	500	1,293,249	435	1,444,158
Dairy	558	9,135,738	354	14,821,044
Fruits and vegetables	424	2,850,018	371	5,106,099
Grain, soybeans, and soybean meal and oil	2,452	11,852,416	1,995	11,605,175
Livestock	479	3,154,225	361	2,976,430
Nuts	42	658,071	34	1,132,721
Poultry	93	798,671	56	916,795
Rice	60	705,353	56	827,641
Sugar	62	1,160,892	46	1,482,512
Tobacco	33	202,758	33	181,556
Wool and mohair	172	25,344	168	19,766
Miscellaneous	111	198,450	101	879,305
Total farm products	2/ 4,589	32,133,711	2/ 3,719	41,540,160
Supplies purchased:				
Building materials	2,274	371,623	1,746	371,460
Containers	641	114,87[illegible]	486	139,211
Farm chemicals	3,689	693,582	3,102	1,358,335
Farm machinery and equipment	1,807	294,127	1,564	342,508
Feed	3,821	2,835,287	3,000	2,883,316
Fertilizer	3,909	2,426,662	3,134	2,915,354
Meats and groceries	499	91,728	403	113,406
Petroleum	3,025	2,514,230	2,497	4,998,039
Seed	3,677	374,453	3,020	513,896
Other supplies	4,407	840,900	3,570	1,459,540
Total farm supplies	2/ 5,320	10,557,465	2/ 4,151	15,095,065
Receipts for services:				
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous	2/ 4,783	3/ 892,977	2/ 3,621	3/ 1,760,246
Total business	2/ 6,722	43,584,153	2/ 5,369	58,395,471

1/ Totals may not add due to rounding.
2/ Adjusted for duplication arising from multiple activities performed by many cooperatives.
3/ Charges for services related to marketing or purchasing but not included in the volume reported for these activities.

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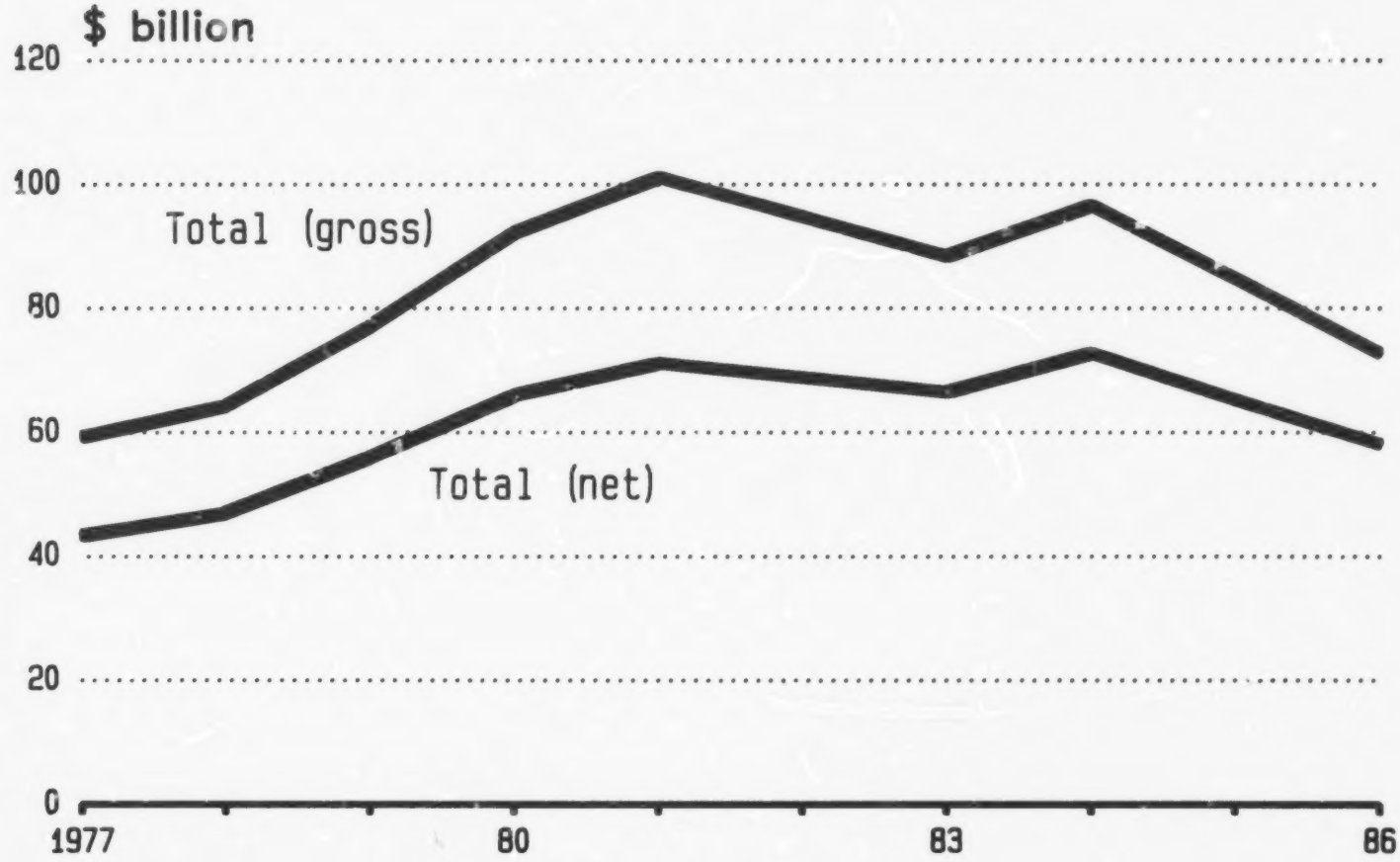
Figure 2

Business Volume of Farmer Cooperatives



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The percentage changes in table 1 are due to some extent to the reclassification of cooperatives because of changes in the function from which they derive the major portion of their dollar volume. The primary examples are marketing cooperatives whose major business became the sale of farm supplies, or farm supply cooperatives in which marketing took a dominant role.

In table 4, cooperatives are classified according to the business activity that consistently accounted for the largest percent of their dollar volume for 1985. State data were not collected for 1986.

Memberships

Memberships in marketing, farm supply, and related service cooperatives totaled 4,401,757 in 1986, a decrease of 7.9 percent from 4,781,216 (table 5 and fig. 3).

The long-term trend has been one of decline, reflecting, in part, the decreasing number of farmers in the United States. Many farmers were members of more than one cooperative and each membership was counted. Total membership contains duplication that cannot be eliminated with current reporting methods.

Though many farmers maintained membership in more than one cooperative, more than 19 percent did not actively patronize their cooperatives.

Membership figures often vary widely from year to year for cooperatives participating in price stabilization programs, particularly for those handling cotton, peanuts, or tobacco.

Classification of members is affected also by the diversity of services offered by cooperatives. For example, a member may use a cooperative to market only one of the farm products handled by the cooperative, or a member may use a cooperative classified in the marketing group only for purchasing one or more types of production supplies. The member's business with the cooperative, therefore, may not be in the group that represents the cooperative's major business volume (which determines how the cooperative is classified in this report). The membership, however, will be included arbitrarily in that classification.

Number of Full-time Employees

Farmer cooperatives employed 166,560 persons, or an average of 31 persons per association on a full-time basis in 1986--down 18.2 percent from 203,558 reported in 1981 (table 6).

Marketing associations, totaling 3,260, employed 101,671 persons--a 16.9-percent decrease from 1981. Dairy cooperatives had the most full-time employees in 1986 (37,441)--down 5 percent from 1981, while grain cooperatives ranked second with 25,560, a 22.5-percent decrease. Together, dairy and grain cooperatives accounted for nearly 62 percent of the full-time employees of marketing cooperatives.

The 1,971 farm supply cooperatives employed 62,041 full-time employees, down 22.6 percent from the 80,188 reported in 1981. Farm supply cooperatives employed an average of nearly 32 full-time employees in 1986.

Full-time employees of the 138 related service cooperatives in 1986 increased significantly, nearly 188.6 percent from 1981. The large increase, from 987 to 2,848, resulted primarily from the inclusion of additional related service cooperatives.

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Table 4—Cooperative numbers 1/ and memberships, by major business activity and State, 1985 2/

State	Beans and peas, dry edible		Cotton 3/		Dairy		Fruits and vegetables 3/	
	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 4/
				Number				
Alabama			6	247	5/	294	3	16
Alaska					1	14		
Arizona			5	966	1	147	4	1,138
Arkansas			14	1,846	5/	814	5	1,009
California	5	1,225	41	5,449	11	1,534	103	25,407
Colorado	2	498			3	563	12	936
Connecticut					5/	511	1	8
Delaware					5/	173	1	1,405
Florida					4	362	46	3,505
Georgia					2	878	3	74
Hawaii					2	15	7	574
Idaho	5/	5			1	895	2	1,421
Illinois					8	3,563	3	34
Indiana					1	3,062	1	163
Iowa					13	8,353	1	15
Kansas					1	1,938	1	23
Kentucky					2	3,483	3	437
Louisiana			7	943	2	982	1	15
Maine					1	535	4	1,929
Maryland					1	1,567	5/	32
Massachusetts					2	692	2	327
Michigan	2	600			4	6,731	16	3,963
Minnesota					79	32,168	1	60
Mississippi			48	4,423	2	863	1	77
Missouri			5/	52	3	4,589	5/	19
Montana					2	714	2	210
Nebraska					1	1,712		
Nevada					3	45	5/	7
New Hampshire					5/	261		
New Jersey					2	278	10	1,596
New Mexico			12	2,415			1	13
New York					73	7,596	10	1,214
North Carolina			2	543	4	9,866	11	1,932
North Dakota	1	120			5	1,853	1	105
Ohio	5/	3			8	5,737	8	2,456
Oklahoma			45	19,491	5/	1,083		
Oregon					6	787	12	1,595
Pennsylvania					24	9,158	8	1,854
Rhode Island					5/	78		
South Carolina			1	397	6	216	3	52
South Dakota					2	2,070		
Tennessee			5/	34	1	1,495	4	12
Texas			236	59,132	3	2,789	7	451
Utah					6	1,082	3	33
Vermont					4	2,922		
Virginia			5/	9	3	1,548	5	305
Washington	5/	2			5	1,300	35	6,740
West Virginia					2	402	5/	21
Wisconsin					79	40,136	2	770
Wyoming	1	1,195			5/	41		
Foreign							5/	37
United States	11	3,648	417	95,947	383	167,895	343	61,990

Continued

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Table 4—Cooperative numbers 1/ and memberships, by major business activity and State, 1985 2/ — Continued

State	Grain, soybeans, and soybean meal and oil 6/		Livestock 3/		Nuts 7/		Poultry	
	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 4/
				Number				
Alabama	2	3,187	11	6,240	5/	2	5/	12,243
Alaska	5/	2						
Arizona	2	1,107	5/	180	5/	36	5/	2
Arkansas	5	11,624	4	649	5/	100	5/	42
California	3	527	3	7,860	6	8,832	3	88
Colorado	20	12,930	4	3,188	5/	3	5/	2
Connecticut	5/	3			5/	1	5/	9
Delaware			5/	18			5/	3
Florida	5/	35			5/	5	1	6,479
Georgia	1	968	2	5	2	5,418	3	38,646
Hawaii	5/	2	2	15				
Idaho	11	16,767	6	2,213			5/	1
Illinois	150	82,357	5	24,695	5/	4	5/	5
Indiana	36	82,400	3	29,648			5/	7
Iowa	229	108,886	5	12,485	5/	1	5/	1
Kansas	184	164,794	1	575			5/	10
Kentucky	1	1,910	11	9,248			5/	52
Louisiana	3	374	1	75	5/	1	5/	4
Maine							5/	12
Maryland	5/	4	5/	7	5/	9	5/	7
Massachusetts	5/	1	1	170			1	425
Michigan	17	15,941	5	16,925			5/	7
Minnesota	180	121,738	78	55,438			2	75
Mississippi	8	3,854	7	16,430	5/	1	5/	131
Missouri	18	18,041	8	13,381			5/	11
Montana	30	14,849	2	917				
Nebraska	35	91,867	4	5,857			1	24
Nevada	1	28					5/	1
New Hampshire							1	2
New Jersey	2	1	2	2,127	5/	3	5/	7
New Mexico	1	13	5/	1,440	5/	224	5/	11
New York	5/	9	4	30,770	5/	6	1	65
North Carolina	5/	7	2	1,796	1	15,556	5/	773
North Dakota	208	89,088	39	9,892				
Ohio	78	58,686	5	31,523			5/	13
Oklahoma	77	58,304	1	5,360	2	2,060	5/	478
Oregon	9	5,505			1	265	1	23
Pennsylvania	5/	2	5	243	5/	2	5/	53
Rhode Island							5/	1
South Carolina	2	165	1	78	5/	671	5/	6,423
South Dakota	115	62,040	2	5,975				
Tennessee	1	249	3	506	5/	183	5/	4,704
Texas	35	20,696	2	2,481	2	3,594	5/	519
Utah	3	5,792	2	4,505			3	99
Vermont	5/	1			5/	1	5/	1
Virginia	2	1,658	14	1,556	2	5,430	1	542
Washington	31	11,629					5/	3
West Virginia			7	1,281			5/	112
Wisconsin	2	2,174	61	27,399				
Wyoming	1	390	5/	105				
Foreign			5/	200				
United States	1,623	1,070,605	313	333,456	16	42,408	18	72,126

Continued

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Table 4—Cooperative numbers 1/ and memberships, by major business activity and State, 1985 2/ — Continued

State	Rice 3/		Sugar 8/		Tobacco		Wool and mohair	
	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 9/	Co-op hqts. in State	Member-ships 4/
				Number				
Alabama			5/	1	5/	226		
Alaska								
Arizona			5/	16	5/	1		
Arkansas	23	11,847	5/	2	5/	16	5/	34
California	4	2,977	4	2,210	5/	2	1	422
Colorado			1	36			1	281
Connecticut					5/	1,044		
Delaware								
Florida			2	118	5/	2,421	1	5
Georgia			5/	28	5/	12,943		
Hawaii			2	305			5/	3
Idaho			2	2,055			20	1,194
Illinois			5/	1	5/	10	2	155
Indiana			5/	6	5/	4,442	5/	2,505
Iowa			1	33	5/	2	2	4,846
Kansas			5/	6			5/	2,519
Kentucky			5/	6	7	81,405	5/	537
Louisiana	10	3,924	9	996	5/	1	2	450
Maine							1	300
Maryland					1	6,655	5/	5
Massachusetts					1	910	3	5
Michigan			5/	12	5/	1	5/	1,785
Minnesota			3	1,592	5/	6	3	5,899
Mississippi	3	477	5/	2			1	50
Missouri			5/	3	5/	639	1	689
Montana			4	576			23	1,511
Nebraska			1	884	5/	1	5/	805
Nevada			5/	2			1	101
New Hampshire							1	755
New Jersey					5/	1	1	300
New Mexico			5/	4			1	67
New York							3	[illegible]
North Carolina			5/	1	8	71,644	2	10
North Dakota			1	932			5	400
Ohio			2	409	1	4,965	1	4,921
Oklahoma							1	757
Oregon			1	313			5/	1
Pennsylvania							22	4,693
Rhode Island								
South Carolina			5/	1	1	17,023		
South Dakota			5/	57	5/	5	3	4,073
Tennessee					8	52,671		
Texas	11	2,198	2	465				
Utah			5/	9	5/	1	8	2,493
Vermont							1	50
Virginia					3	18,833	18	2,209
Washington			5/	17			3	240
West Virginia					5/	1,904	15	1,800
Wisconsin			5/	43	2	1,676	1	1,901
Wyoming			3	403			7	776
Foreign			5/	12				
United States	51	21,423	38	11,556	32	279,468	155	50,205

Continued

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Table 4—Cooperative numbers 1/ and memberships, by major business activity and State, 1985 2/ — Continued

State	Miscellaneous marketing 10/		Total marketing		Farm supply		Related services 11/		Total	
	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 4/	Co-op hqts. in State	Member-ships 4/
					Number					
Alabama			22	22,456	56	48,100	2	180	80	70,736
Alaska			1	16					1	16
Arizona			12	3,593	2	60,017	5/	60	14	63,670
Arkansas	1	12/	52	27,983	49	44,845	1	135	102	72,963
California	3	847	187	57,381	30	12,640	16	937	233	70,958
Colorado			43	18,437	29	17,450	1	5	73	35,892
Connecticut			1	1,576	3	2,305	1	2,637	5	6,598
Delaware			1	1,599	4	10,038			5	11,637
Florida	2	226	56	13,156	7	6,684	3	13,063	66	32,903
Georgia	2	318	15	59,278	6	3,159			21	62,437
Hawaii	7	717	20	1,631	6	1,332	2	110	28	3,073
Idaho	1	32	43	24,583	16	14,938	1	12/	60	39,521
Illinois	1	13	169	110,837	94	144,393	6	3,492	269	258,723
Indiana	1	21	42	122,254	39	75,690	1	1,175	82	199,119
Iowa	1	485	252	135,107	119	156,277	2	2,964	373	294,247
Kansas	5/	2	187	169,867	44	48,693	2	102	233	218,662
Kentucky			24	97,078	42	128,454	26	4,276	92	229,808
Louisiana			35	7,775	32	10,347	3	1,118	70	19,240
Maine			6	2,776	1	6,780	5/	2,815	7	12,371
Maryland			2	8,286	19	52,564	3	2,634	24	63,484
Massachusetts			10	2,530	5	5,671	1	32	16	8,253
Michigan	3	122	47	46,087	49	40,265	4	4,003	100	90,355
Minnesota	3	16	349	216,992	210	193,048	7	13,943	566	423,983
Mississippi	3	[illegible]	73	26,313	65	64,765	4	1,048	142	92,125
Missouri			30	37,444	76	201,473	4	1,854	110	240,771
Montana			63	18,777	57	25,987			120	44,764
Nebraska	1	18	143	101,168	90	83,328	3	989	236	185,486
Nevada			5	184	5/	200			5	384
New Hampshire			2	1,018	5/	1,292	5/	2,401	2	4,711
New Jersey	5/	5	17	4,318	5	5,369	1	367	23	10,254
New Mexico	5/	1	15	4,188	5/	5	5/	47	15	4,240
New York	1	31	92	40,349	104	57,484	4	23,294	200	121,127
North Carolina			30	102,128	2	40,009	2	61	34	142,198
North Dakota			260	102,390	130	56,157	1	1,025	391	159,572
Ohio	1	5	104	108,718	42	36,354	5	3,994	151	149,065
Oklahoma			126	87,534	14	12,300	5/	315	140	100,149
Oregon	5/	5	30	8,494	19	39,666	1	35	50	48,195
Pennsylvania			59	16,005	20	35,919	5	17,529	84	69,453
Rhode Island			5/	79	5/	604	1	532	1	1,215
South Carolina	1	5	15	25,031	2	15,578			17	40,609
South Dakota	5/	64	122	74,284	99	61,346	1	878	222	136,508
Tennessee	2	100	19	59,954	80	73,705	2	1,165	101	134,824
Texas	1	18	319	92,342	56	21,174	12	6,542	387	120,058
Utah	2	190	27	14,204	11	7,776	1	10	39	21,990
Vermont			5	2,975	5/	3,821	1	5,494	6	12,290
Virginia			48	32,090	52	152,902	1	3,605	101	188,597
Washington	3	130	77	20,061	43	74,019	2	4,650	122	98,729
West Virginia			24	5,520	20	43,538	5/	528	44	49,586
Wisconsin	1	6	148	74,105	179	195,362	15	39,025	342	308,491
Wyoming			12	2,910	8	3,997			20	6,907
Foreign			5/	249					5/	249
United States	41	3,382	3,441	2,214,109	2,036	2,397,818	148	169,289	5,625	4,781,216

See next page for footnote reference.

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Footnotes to table 4

1/ Includes independent local cooperatives, federations, centralized cooperatives, and cooperatives with mixed organizational structures.

2/ Data covering operations of cooperatives for calendar year 1985. Figures may vary from previously published data due to estimation procedures for nonrespondents and sampling methodology.

3/ Cooperatives performing specific services related to a commodity are included. Incorporated local associations of a federation that performs the actual marketing or processing are counted. Livestock shipping associations are also included.

4/ Includes farmer members (those entitled to vote for directors) but does not include nonvoting patrons. (Some duplication in these membership figures occurs because many farmers belong to more than one cooperative.) Totals may not add due to rounding.

5/ The cooperative with which this membership is affiliated has been counted in the State in which the cooperative maintains its headquarters. (Foreign members of U.S. headquartered cooperatives are in Canada and Mexico.)

6/ Includes soybean marketing and processing.

7/ Membership of nut cooperatives that market peanuts fluctuates from year to year and is affected by the extent to which producers participate in price stabilization programs.

8/ Includes sugar, sugarcane, sugar beets, honey, maple syrup, molasses, and sorghum.

9/ Member-patrons. Number fluctuates considerably from year to year due to participation in price stabilization programs.

10/ Includes forest products, hay, hops, nursery stock, coffee, and other farm products not separately classified.

11/ Cooperatives providing services related to marketing or purchasing activities.

12/ No individual farmer memberships.

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Table 5—Memberships in predominantly marketing, farm supply, and related service cooperatives, selected years

Period 1/	Marketing		Farm supply		Related service		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1950-51	4,117,950	58.1	2,878,890	40.6	94,280	1.3	7,091,120	100.0
1955-56	4,223,260	54.6	3,443,610	44.6	64,865	0.8	7,731,735	100.0
1960-61	3,473,425	48.2	3,679,675	51.1	49,795	0.7	7,202,895	100.0
1961-62	3,420,100	48.2	3,634,690	51.2	44,190	0.6	7,098,980	100.0
1962-63	3,582,110	49.6	3,595,890	49.8	40,750	0.6	7,218,750	100.0
1963-64	3,612,535	51.0	3,425,200	48.4	41,765	0.6	7,079,500	100.0
1964-65	3,790,915	53.5	3,250,840	45.9	40,255	0.6	7,082,010	100.0
1965-66	3,635,605	53.3	3,154,490	46.2	36,180	0.5	6,826,275	100.0
1966-67	3,298,435	50.7	3,168,985	48.8	34,280	0.5	6,501,700	100.0
1967-68	3,225,185	50.0	3,186,640	49.5	33,585	0.5	6,445,410	100.0
1968-69	3,141,245	49.4	3,189,460	50.1	32,850	0.5	6,363,555	100.0
1969-70	3,102,745	48.8	3,222,435	50.7	29,800	0.5	6,354,980	100.0
1970-71	3,105,005	50.4	3,027,515	49.2	25,220	0.4	6,157,740	100.0
1971-72	3,133,505	51.0	2,991,240	48.7	21,805	0.3	6,146,550	100.0
1972-73	3,117,980	50.9	2,988,050	48.8	21,905	0.3	6,127,935	100.0
1973-74	3,111,255	51.0	2,972,455	48.7	21,820	0.3	6,105,530	100.0
1974-75	3,126,500	51.1	2,971,400	48.5	24,600	0.4	6,122,500	100.0
1975-76	2,811,858	47.6	3,056,071	51.7	38,450	0.7	5,906,379	100.0
1976-77	2,655,018	46.1	3,066,023	53.3	36,687	0.6	5,757,728	100.0
1978 2/	2,595,000	45.6	3,063,000	53.8	36,500	0.6	5,694,500	100.0
1979	2,530,733	45.0	3,060,020	54.4	36,443	0.6	5,627,196	100.0
1980	2,541,995	47.3	2,804,482	52.1	32,411	0.6	5,378,888	100.0
1981	2,452,219	46.0	2,855,963	53.5	27,236	0.5	5,335,418	100.0
1982	2,444,325	47.6	2,666,375	51.9	25,074	0.5	5,135,774	100.0
1983	2,307,630	46.6	2,552,519	51.5	3/ 94,609	1.9	4,954,758	100.0
1984	2,317,040	47.9	2,397,152	49.5	127,557	2.6	4,841,749	100.0
1985	2,214,109	46.3	2,397,818	50.2	169,289	3.5	4,781,216	100.0
1986	2,012,924	45.7	2,225,550	50.6	163,283	3.7	4,401,757	100.0

1/ For years before 1950-51, see appendix table 6, FCS General Report 128 in libraries.
2/ Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data were included for the calendar year. Data for 1978 were estimated.
3/ Number of memberships were up significantly due to inclusion of additional related service cooperatives.

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Figure 3

Memberships in Farmer Cooperatives

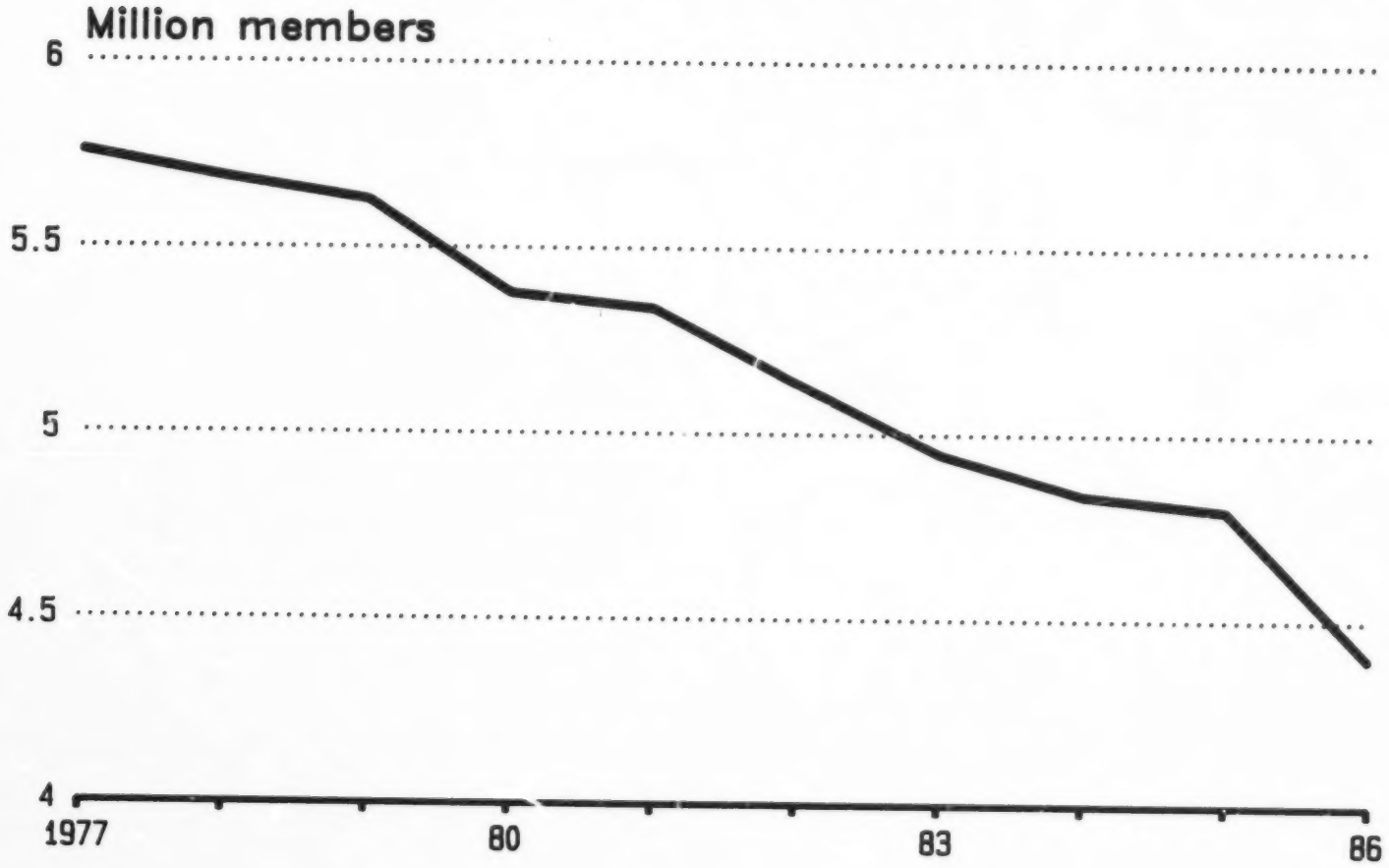

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Table 6—Number of farmer cooperatives and full-time employees, 1981 1/ and 1986

Principal products marketed and major function	1981		1986	
	Cooperatives 2/	Full-time employees	Cooperatives 2/	Full-time employees
		Number		
Products marketed:				
Cotton	441	5,580	396	4,896
Dairy	446	39,427	345	37,441
Fruits & vegetables	366	20,711	344	17,594
Grain, soybeans, and soybean meal & oil	1,777	32,965	1,514	25,560
Livestock, wool, and poultry	520	14,338	469	5,290
Rice	54	2,252	49	1,539
Sugar	39	5,255	40	5,493
Other products 3/	100	1,854	103	3,858
Total farm products	3,743	122,383	3,260	101,671
Total farm supplies	2,356	80,188	1,971	62,041
Total related services	112	987	138	2,848
Combined total	6,211	203,558	5,369	166,560

1/ The last year that number of employees was surveyed.
2/ Many cooperatives are multiproduct and multifunctional in operations and are classified according to predominant commodity or function indicated by business volume.
3/ Includes dry edible beans and peas, nuts, tobacco, and miscellaneous products.

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Business Volume

Total gross business volume of 5,369 marketing, farm supply, and related service cooperatives amounted to $73 billion (table 7), a 14.2-percent decrease from $85.1 billion.

Total net business volume of farmer cooperatives amounted to $58.4 billion. This amount included $41.5 billion for farm products marketed, $15.1 billion for farm supplies purchased, and $1.8 billion for services performed. The total net figure of $58.4 billion, which excludes intercooperative business (the difference between gross and net business volumes), represented a decrease of 11 percent from $65.6 billion in 1985. However, discounting for price changes, real drop in business volume was estimated to be 11.3 percent. 4/ Intercooperative business dropped to $14.6 billion from $19.5 billion.

Gross and net volumes of business for marketing, purchasing, and related service activities are shown in table 7 for selected years from fiscal 1951 through calendar 1986. Both gross and net volumes were the lowest since 1979.

Gross volume of farm products marketed by cooperatives decreased from $57 billion to $47.6 billion, a drop of 16.5 percent. The net volume of farm products marketed amounted to $41.5 billion and accounted for 71.1 percent of the total net volume of cooperatives. The net marketing volume represented a decrease of 12.2 percent from $47.3 billion. The decline resulted primarily from lower prices and decreased volumes of grain, soybeans, and soybean meal and oil marketed.

Figure 4 illustrates the leading products marketed by cooperatives based on net marketing business volume. Dairy led with 35.7 percent of total net marketing volume, followed by grain, soybeans, and soybean meal and oil with 27.9 percent. Fruits and vegetables ranked third with 12.3 percent of total net marketing volume.

Gross volume of all farm supplies handled by cooperatives amounted to $23.6 billion, a 10.6-percent decrease from $26.4 billion. The net farm supply volume of $15.1 billion accounted for 25.9 percent of the total net business volume, a 9.3-percent decrease from $16.6 billion. Decreased demand and lower prices of fertilizer and petroleum were major causes of this decline.

As shown in figure 5, leading farm supplies handled by cooperatives in terms of net business volume were petroleum, with 33.1 percent of the total, followed by fertilizer and feed.

Receipts for services performed by all types of cooperatives amounted to $1.8 billion, a record high--up 7.3 percent. Service receipts represented 3 percent of total net business volume.

An estimated 69.3 percent of the 5,369 cooperatives, or 3,719 cooperatives, marketed farm products (table 8). Farm supplies were handled by 4,151

4/ By deflating the volume of farm products handled by cooperatives in 1986 by indices of producer prices for farm products and processed foods and feeds and the volume of farm supplies and related services by the index on prices paid by farmers for production of all commodities excluding interest, taxes, and wage rates, total business volume amounted to $58.2 billion, an 11.3-percent decrease from the 1985 volume.

Table 7—Business volume of marketing, farm supply, and related service cooperatives, selected years

Period 1/	Gross volume (includes intercooperative business)				Net volume (excludes intercooperative business)			
	Farm products	Farm supplies	Related services 2/	Total	Farm products	Farm supplies	Related services 2/	Total
				1,000 dollars				
1950-51	7,984,777	2,437,521	99,958	10,522,256	6,361,766	1,685,413	99,958	8,147,137
1955-56	9,514,387	2,972,696	214,880	12,701,963	7,495,159	2,046,086	214,880	9,756,125
1960-61	12,143,722	3,744,711	305,600	16,194,033	9,631,247	2,472,286	305,600	12,409,133
1961-62	12,992,656	3,914,849	302,102	17,209,607	10,160,364	2,561,338	302,102	13,023,804
1962-63	13,893,463	4,145,263	303,281	18,342,007	10,834,165	2,704,400	303,281	13,841,846
1963-64	14,532,553	4,393,864	313,103	19,239,520	11,209,069	2,831,586	313,103	14,353,758
1964-65	14,816,217	4,495,217	315,527	19,626,961	11,516,217	2,910,188	315,527	14,741,932
1965-66	15,489,446	4,804,443	325,071	20,618,960	12,197,744	3,085,382	325,071	15,608,197
1966-67	16,265,376	5,314,427	317,570	21,897,373	12,899,762	3,339,207	317,570	16,556,539
1967-68	16,556,620	5,565,045	316,014	22,437,679	13,189,137	3,544,854	316,014	17,040,005
1968-69	16,841,051	5,643,341	350,761	22,835,153	13,420,765	3,615,271	350,761	17,386,797
1969-70	18,388,420	5,986,359	391,176	24,765,955	14,816,000	3,873,211	391,176	19,080,387
1970-71	20,118,015	6,748,989	414,299	27,281,303	15,801,872	4,339,529	414,299	20,555,700
1971-72	20,794,406	7,395,899	462,240	28,652,545	16,463,065	4,739,603	462,240	21,664,908
1972-73	25,110,374	8,841,293	502,800	34,454,467	19,573,016	5,914,962	502,800	25,990,778
1973-74	35,632,381	11,395,208	657,730	47,685,319	26,943,792	7,764,027	657,730	35,365,549
1974-75	40,313,162	13,416,013	744,477	54,473,652	31,937,363	8,660,605	744,477	41,342,445
1975-76	39,402,165	15,553,633	855,277	55,811,075	29,783,115	9,411,685	855,277	40,050,077
1976-77	40,805,827	17,790,798	890,977	59,487,602	32,133,711	10,557,465	892,977	43,584,153
1978 3/	45,072,429	18,604,619	947,655	64,624,703	35,305,600	11,051,865	947,655	47,305,120
1979	53,668,810	22,669,818	1,053,559	77,392,187	41,693,349	13,521,489	1,053,559	56,268,397
1980	63,650,268	27,660,042	1,209,225	92,519,535	48,911,018	16,134,111	1,209,225	66,254,354
1981	70,161,551	30,127,323	1,190,385	101,479,260	53,284,950	17,058,630	1,190,385	71,533,967
1982	65,599,550	28,104,678	1,394,386	95,098,614	51,393,826	16,362,124	1,394,386	69,150,336
1983	61,209,412	26,052,783	1,468,316	88,730,512	49,343,552	15,942,957	1,468,316	66,754,824
1984	67,626,851	27,722,539	1,521,539	96,870,930	54,556,020	16,968,981	1,521,539	73,046,540
1985	57,032,906	26,423,757	1,639,878	85,096,541	47,320,868	16,640,694	1,639,878	65,601,440
1986	47,594,704	23,623,282	1,760,246	72,978,232	41,540,160	15,095,065	1,760,246	58,395,471

Continued

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Table 7--Business volume of marketing, farm supply, and related service cooperatives, selected years -- Continued

Period 1/	Gross volume (includes inter-cooperative business)				Net volume (excludes inter-cooperative business)			
	Farm products	Farm supplies	Related services 2/	Total	Farm products	Farm supplies	Related services 2/	Total
	Percent							
1950-51	75.9	23.2	0.9	100.0	78.1	20.7	1.2	100.0
1955-56	74.9	23.4	1.7	100.0	76.8	21.0	2.2	100.0
1960-61	75.0	23.1	1.9	100.0	77.6	19.9	2.5	100.0
1961-62	75.5	22.7	1.8	100.0	78.0	19.7	2.3	100.0
1962-63	75.7	22.6	1.7	100.0	78.3	19.5	2.2	100.0
1963-64	75.5	22.9	1.6	100.0	78.1	19.7	2.2	100.0
1964-65	75.5	22.9	1.6	100.0	78.1	19.8	2.1	100.0
1965-66	75.1	23.3	1.6	100.0	78.1	19.8	2.1	100.0
1966-67	74.3	24.3	1.4	100.0	77.9	20.2	1.9	100.0
1967-68	73.8	24.8	1.4	100.0	77.4	20.8	1.8	100.0
1968-69	73.8	24.7	1.5	100.0	77.2	20.8	2.0	100.0
1969-70	74.2	24.2	1.6	100.0	77.7	20.3	2.0	100.0
1970-71	73.8	24.7	1.5	100.0	76.9	21.1	2.0	100.0
1971-72	72.6	25.8	1.6	100.0	76.0	21.9	2.1	100.0
1972-73	72.9	25.7	1.4	100.0	75.3	22.8	1.9	100.0
1973-74	74.7	23.9	1.4	100.0	76.2	21.9	1.9	100.0
1974-75	74.0	24.6	1.4	100.0	77.3	20.9	1.8	100.0
1975-76	70.6	27.9	1.5	100.0	74.4	23.5	2.1	100.0
1976-77	68.6	29.9	1.5	100.0	73.7	24.2	2.1	100.0
1978 3/	69.7	28.8	1.5	100.0	74.6	23.4	2.0	100.0
1979	69.3	29.3	1.4	100.0	74.1	24.0	1.9	100.0
1980	68.8	29.9	1.3	100.0	73.8	24.4	1.8	100.0
1981	69.1	29.7	1.2	100.0	74.5	23.8	1.7	100.0
1982	69.0	29.5	1.5	100.0	74.3	23.7	2.0	100.0
1983	69.0	29.4	1.6	100.0	73.9	23.9	2.2	100.0
1984	69.8	28.6	1.6	100.0	74.7	23.2	2.1	100.0
1985	67.0	31.1	1.9	100.0	72.1	25.4	2.5	100.0
1986	65.2	32.4	2.4	100.0	71.1	25.9	3.0	100.0

1/ For years prior to 1950-51, see appendix table 7, FCS General Report 128, in libraries. Data for prior years are not entirely comparable due to revisions in statistical procedures in 1950-51.

2/ Services related to marketing or supply purchasing but not included in the volumes reported for these activities.

3/ Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data were included for the calendar year. Data for 1978 were estimated.

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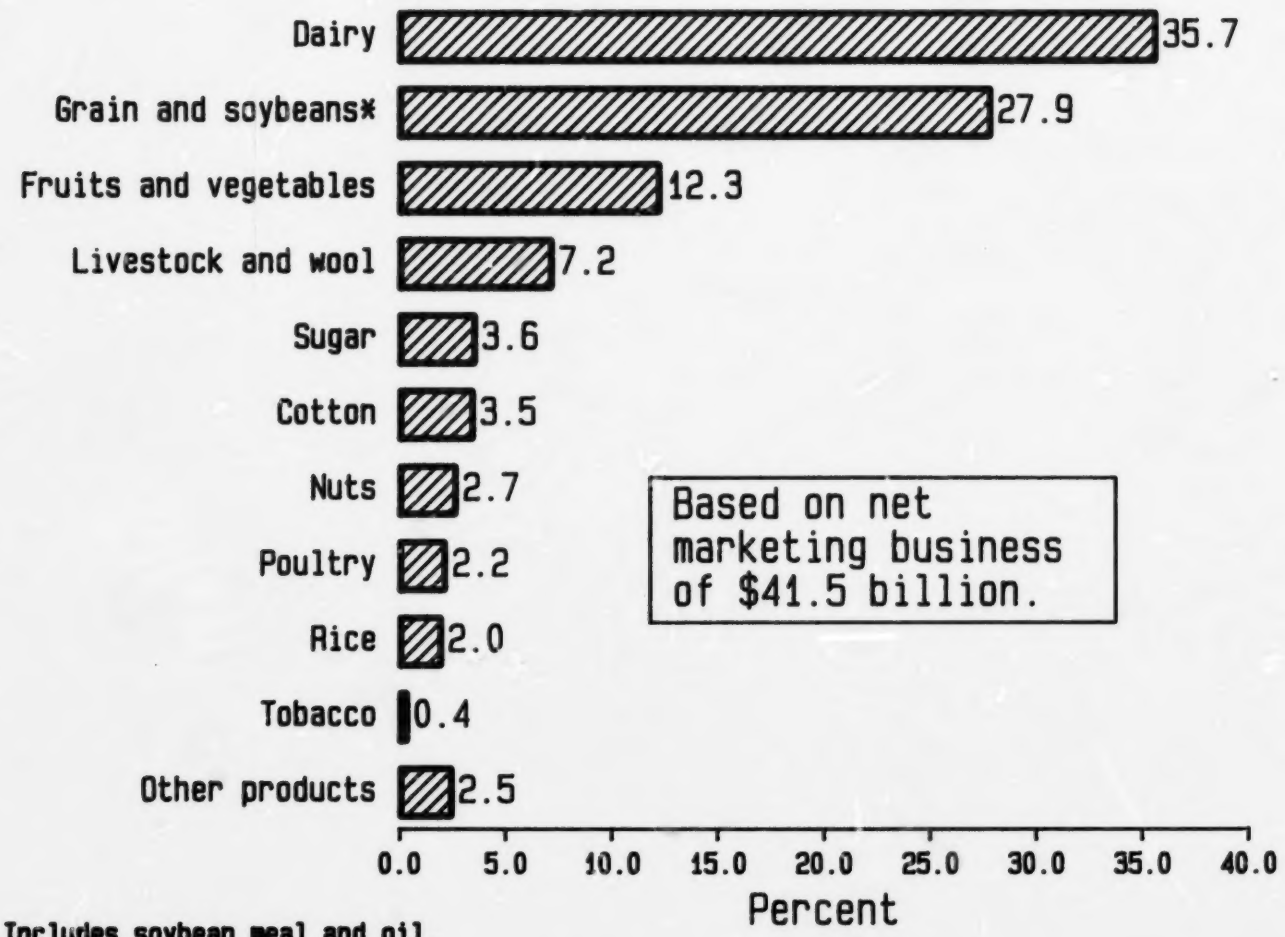
21

Figure 4

Relative Importance of Major Farm Products Marketed by Cooperatives, 1986



* Includes soybean meal and oil.

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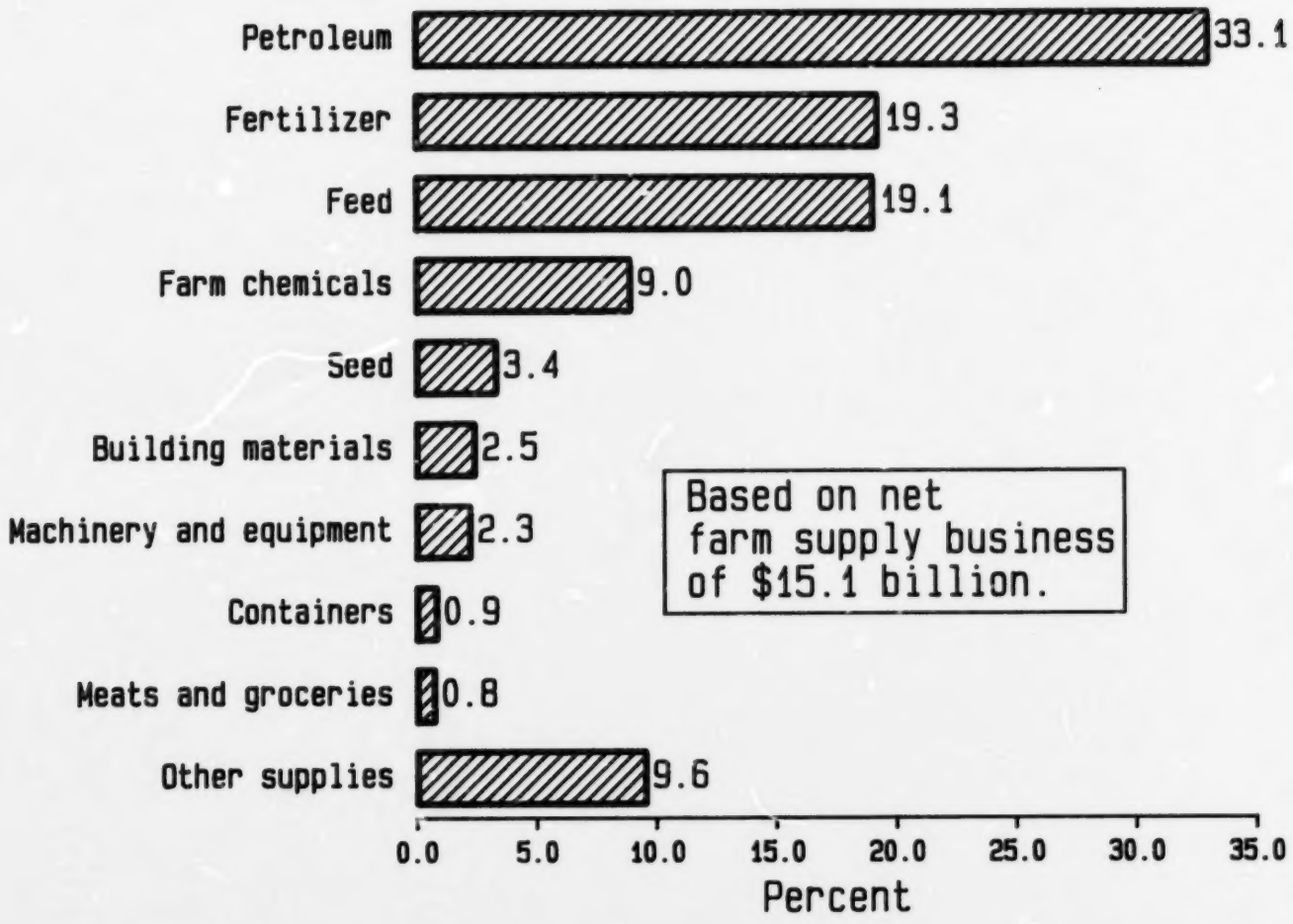
22

Figure 5

Relative Importance of Major Farm Supplies Handled by Cooperatives, 1986



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23

Table 8—Cooperative business volume by commodity, 1986 1/

Commodity	Cooperatives handling		Gross volume (includes intercooperative) business)		Net volume (excludes intercooperative business)	
	No.	Pct. 2/	1,000 dol.	Pct.	1,000 dol.	Pct.
Products marketed:						
Beans and peas (dry edible)	49	0.9	183,758	0.3	146,958	0.3
Cotton	435	8.1	1,628,443	2.2	1,444,158	2.5
Dairy	354	6.6	16,477,608	22.6	14,821,044	25.4
Fruits and vegetables	371	6.9	6,583,474	9.0	5,106,099	8.7
Grain, soybeans, and soybean meal and oil	1,995	37.2	13,723,740	18.8	11,605,175	19.9
Livestock	361	6.7	3,307,893	4.5	2,976,430	5.1
Nuts	34	0.6	1,132,721	1.6	1,132,721	1.9
Poultry	56	1.0	1,057,243	1.4	916,795	1.6
Rice	56	1.0	827,641	1.1	827,641	1.4
Sugar	46	0.9	1,576,390	2.2	1,482,512	2.5
Tobacco	33	0.6	181,556	0.3	181,556	0.3
Wool and mohair	168	3.1	34,925	3/	19,766	3/
Miscellaneous 4/	101	1.9	879,312	1.2	879,305	1.5
Total farm products	5/ 3,719	69.3	47,594,704	65.2	41,540,160	71.1
Supplies purchased:						
Building materials	1,746	32.5	477,323	0.7	371,460	0.6
Containers and packaging supplies	486	9.1	285,507	0.4	139,211	0.2
Farm chemicals	3,102	57.8	2,368,933	3.2	1,358,335	2.3
Farm machinery and equipment	1,564	29.1	491,869	0.7	342,508	0.6
Feed	3,000	55.9	4,091,721	5.6	2,883,316	4.9
Fertilizer	3,134	58.4	4,999,659	6.9	2,915,354	5.0
Meats and groceries	408	7.6	124,810	0.2	113,406	0.2
Petroleum	2,497	46.5	7,476,204	10.2	4,998,039	8.6
Seed	3,020	56.2	702,514	1.0	513,896	0.9
Miscellaneous supplies 6/	3,570	66.5	2,604,742	3.6	1,459,540	2.5
Total farm supplies	5/ 4,151	77.3	23,623,282	32.4	15,095,065	25.9
Services provided:						
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous	5/ 3,621	67.4	7/ 1,760,246	2.4	7/ 1,760,246	3.0
Total business	5/ 5,369	100.0	72,978,232	100.0	58,395,471	100.0

1/ Totals may not add due to rounding.
2/ Number of cooperatives handling each commodity group is computed as a percentage of the total number of 5,369 cooperatives listed.
3/ Less than one-tenth of one percent.
4/ Includes coffee, fish, forest products, hay, hops, seed marketed for growers, nursery stock, other farm products not separately classified, and sales of farm products not received directly from member-patrons.
5/ Because many cooperatives do more than one type of business, these totals are fewer than the number obtained by adding the number of cooperatives handling individual items or performing individual services.
6/ Includes plant equipment, automotive supplies, hardware, chicks, and other supplies not separately classified.
7/ Charges for services related to marketing or purchasing but not included in the volume reported for those activities.

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cooperatives, 77.3 percent of the total, while 3,621 cooperatives, or 67.4 percent of the total, performed one or more services related to farm product marketing and farm supply purchasing.

The 1985 estimated volume of farm products marketed and farm supplies purchased by cooperatives is shown by State in table 9.

Balance Sheet

Combined assets for all farmer cooperatives totaled $26.5 billion in 1986, down 4.6 percent from $27.8 billion for 1985 (table 10 and figure 6). Assets of cooperatives, eliminating intercooperative investments, totaled $23.7 billion compared with $24.5 billion, a 3.6-percent decrease (table 11).

Total liabilities were $14.6 billion, down 7.3 percent from the $15.7 billion reported in 1985 (table 12). Net worth, or member and patron equity, was $11.9 billion, down 1.3 percent from $12.1 billion. The proportion of total assets financed by equity went up from 43.4 to 44.9 percent.

Of the $26.5 billion in total assets, marketing cooperatives accounted for $17.2 billion, down 3.4 percent from $17.6 billion for 1985. Cooperatives whose principal products were grain, soybeans, and soybean meal and oil had total assets of more than $6 billion in 1986 and nearly $6.9 billion in 1985, a 12.8-percent decrease. These cooperatives also maintained the largest proportion of investments in other cooperatives in both 1986 (15.7 percent) and 1985 (15.9 percent).

Assets of marketing cooperatives, excluding investments in other cooperatives, were nearly $15.7 billion, down from the $16.1 billion reported in 1985.

Farm supply cooperatives had total assets of more than $9.1 billion compared with $9.7 billion in 1985. Excluding intercooperative investments, assets amounted to $7.8 billion in 1986, down 4.7 percent from the previous year.

Current and term liabilities of marketing cooperatives totaled nearly $9.8 billion, down from $10.4 billion. This represented more than half (67.1 percent) of total liabilities for all cooperatives, compared with 66.1 percent in 1985. Grain marketing cooperatives showed nearly $2.8 billion, an 18.3-percent decrease. Combined liabilities financed 55.1 percent of total cooperative assets.

Net worth or member and patron equity for all marketing cooperatives totaled more than $7.4 billion, up slightly (less than 1 percent) from 1985. Marketing cooperatives again maintained more than half the total (62.3 percent), while farm supply cooperatives accounted for 36.8 percent. The highest percent of total assets represented by net worth for all marketing cooperatives (53.9 percent) was for cooperatives primarily marketing grain, soybeans, and soybean meal and oil. The lowest percent (30.6 percent) was for cooperatives primarily marketing other products 5/. Cooperatives classified as farm marketing and farm supply had 43.1 and 48.1 percent, respectively.

Net Margins

Total net margins, less losses, for all cooperatives were nearly $688 million, including intercooperative dividends and refunds (figure 7). As shown in table 13, net margins were down 11.3 percent from the previous year's total of $775 million. Net margins from other cooperatives of $140 million were down 33 percent from $210 million. Losses totaled $343.6 million--up from $273.1 million in 1985.

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Table 9—Cooperative business volume 1/ by commodity and State, 1985 2/

States	Beans and peas, dry edible		Cotton		Dairy		Fruits and vegetables	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
				1,000 dollars				
Alabama			18,374	18,374	54,156	52,829	3/	3/
Alaska					3	3		
Arizona			150,545	150,280	176,052	175,955	126,771	19,911
Arkansas			81,369	75,057	121,314	117,448	12,154	12,154
California	45,089	45,089	722,451	614,160	1,412,555	1,301,625	2,811,674	1,916,444
Colorado	9,112	6,867			163,853	163,466	48,522	19,350
Connecticut					75,067	65,308	3/	3/
Delaware					20,722	20,654	2,259	2,259
Florida					528,629	454,340	1,082,763	852,626
Georgia			503	503	222,579	217,872	30,362	15,295
Hawaii					3/	3/	17,114	12,634
Idaho	5,497	5,497			187,733	99,766	3/	3/
Illinois	3/	3/			510,320	503,831	2,319	2,319
Indiana					224,162	217,280	22,885	17,563
Iowa					562,585	543,878	20,673	11,360
Kansas	3/	3/			219,335	216,436	383	383
Kentucky					238,867	232,289	3/	3/
Louisiana			46,855	45,473	175,188	174,027	5	5
Maine					22,802	20,748	38,517	38,517
Maryland					272,200	267,106	1,712	1,712
Massachusetts					190,492	181,463	3/	3/
Michigan	64,769	38,771			661,580	660,324	303,354	225,630
Minnesota	3/	3/			2,036,780	1,690,753	7,504	7,504
Mississippi			267,024	247,718	88,188	85,709	3/	3/
Missouri			5,863	5,121	551,766	551,138	549	549
Montana	2,439	2,439			25,728	25,634	3/	3/
Nebraska					158,462	157,979	6,383	6,383
Nevada					31,976	23,650		
New Hampshire					24,220	21,139		
New Jersey					44,229	26,054	106,512	106,512
New Mexico			12,721	12,494			3/	3/
New York	3/	3/			1,241,665	834,043	183,439	150,177
North Carolina			3/	3/	190,899	186,177	8,516	6,754
North Dakota	1,052	1,052			141,119	126,215	3/	3/
Ohio					742,777	742,766	34,370	34,370
Oklahoma	903	903	58,621	38,772	173,032	167,234	1,562	1,562
Oregon	3/	3/			289,503	203,927	293,873	293,873
Pennsylvania					1,206,934	881,202	273,818	265,241
Rhode Island					3/	3/		
South Carolina			4,768	4,768	132,638	64,[illegible]	11,896	6,023
South Dakota	4,546	4,546			45,334	44,57[illegible]		
Tennessee			4,493	4,229	194,411	188,403	252	252
Texas			558,420	432,613	500,071	93,644	11,948	8,608
Utah					251,481	53,439	9,835	3,275
Vermont					316,668	302,480	3/	3/
Virginia					346,395	338,991	1,818	1,818
Washington	10,636	10,636			857,544	360,494	614,363	525,361
West Virginia					23,157	22,656	668	668
Wisconsin					2,796,816	2,542,434	203,388	200,764
Wyoming	8,759	8,759			21,004	14,623		
Foreign 4/							51,303	45,756
United States	172,453	144,209	1,942,872	1,660,427	18,504,648	15,959,869	6,614,077	5,068,279

Continued

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Table 9—Cooperative business volume 1/ by commodity and State, 1985 2/ — Continued

States	Grain, soybeans, and soybean meal and oil		Livestock		Nuts		Poultry	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
				1,000 dollars				
Alabama	136,114	91,315	21,295	21,295	60,954	60,954	204,841	204,841
Alaska								
Arizona	3/	3/	17,390	17,390	180	180		
Arkansas	154,882	151,766	5,563	5,563	741	741	11,338	11,338
California	29,835	24,685	79,574	79,574	497,905	497,905	41,862	41,862
Colorado	209,215	198,575	87,789	87,788				
Connecticut							9,261	9,261
Delaware	20,824	20,824	13	13			125	125
Florida	20,502	20,502			13,725	13,725	86,805	86,805
Georgia	3/	3/	19,810	19,810	141,646	141,646	205,319	205,319
Hawaii			3/	3/	5,682	5,682		
Idaho	115,611	97,834	17,853	17,853				
Illinois	2,322,694	1,827,763	463,824	463,824			3/	3/
Indiana	1,211,160	954,071	148,949	148,627			862	862
Iowa	4,051,444	3,040,043	575,125	574,729			18,878	18,878
Kansas	1,096,609	1,048,741	23,485	23,485			159	159
Kentucky	58,933	48,263	60,197	59,849			106	106
Louisiana	184,524	98,309	1	1			159	159
Maine	3/	3/					547	547
Maryland	68,733	54,507	128	128			494	494
Massachusetts	2,220	2,220	2,067	2,067			2,485	2,485
Michigan	281,591	190,578	298,679	298,679			3/	3/
Minnesota	2,607,796	1,852,238	279,077	209,348			125,187	80,534
Mississippi	193,878	183,352	71,306	71,306	2,168	2,168	438	438
Missouri	881,814	525,072	213,675	213,675			212	212
Montana	199,433	129,053	7,216	6,978			150	150
Nebraska	971,487	912,900	362,909	362,909			20,718	10,683
Nevada	3/	3/					2,236	2,236
New Hampshire							293	293
New Jersey	2,844	2,844	3/	3/			728	728
New Mexico	1,921	1,921	14,906	14,906	1,114	1,114		
New York	47,556	47,556	55,881	55,881			21,618	21,618
North Carolina	3/	3/	4,376	4,376	47,543	47,543	58,191	58,191
North Dakota	1,260,639	1,009,968	18,400	14,052			3/	3/
Ohio	1,417,827	835,550	118,018	118,018			692	692
Oklahoma	644,557	244,466	3/	3/	20,131	20,131	106	106
Oregon	294,219	177,491			16,775	16,775	22,258	11,722
Pennsylvania	18,536	18,536	3,194	3,194			8,758	8,758
Rhode Island							3/	3/
South Carolina	37,272	37,272	3/	3/	23,217	23,217	6,462	6,462
South Dakota	737,997	582,045	7,755	6,569				
Tennessee	53,239	35,432	1,310	1,310			212	212
Texas	3[illegible],853	472,381	51,436	51,436	38,953	38,953	476	476
Utah	6,693	5,757	3/	3/			103,365	43,158
Vermont	3/	3/	3/	3/				
Virginia	73,492	73,942	5,622	5,621	48,556	48,556	61,822	61,822
Washington	451,662	412,181	3/	3/	3/	3/	1,162	1,162
West Virginia	161	161	4,092	4,092			36,209	36,209
Wisconsin	77,248	68,421	350,435	347,272			19,735	19,735
Wyoming	1,544	1,544	3,466	3,466				
Foreign 4/	72,151	30,953						
United States	20,695,979	15,673,750	3,493,817	3,414,087	919,412	919,412	1,082,017	956,586

Continued

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Table 9—Cooperative business volume 1/ by commodity and State, 1985 2/ — Continued

States	Rice		Sugar		Tobacco		Wool and Mohair	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
				1,000 dollars				
Alabama			44	44				
Alaska								
Arizona			966	966				
Arkansas	314,703	314,703	75	75			24	24
California	248,[illegible]	248,991	576,885	560,738			3,342	1,846
Colorado			704	704			268	132
Connecticut					39	39		
Delaware								
Florida			149,653	115,296	3,154	3,154	3/	3/
Georgia					12,616	12,616	3/	3/
Hawaii			5/	5/				
Idaho			109,072	109,072			544	408
Illinois			3/	3/			3/	3/
Indiana					354	354	439	187
Iowa			3/	3/			1,778	636
Kansas			316	316			1,558	742
Kentucky					76,273	76,273	341	69
Louisiana	41,812	41,812	97,291	79,118			3/	3/
Maine							50	16
Maryland					3/	3/	3/	3/
Massachusetts			12	12	3/	3/	3/	3/
Michigan			3/	3/			283	283
Minnesota			327,181	327,181	51	51	2,971	1,481
Mississippi	25,781	25,781	1,309	1,309			3/	3/
Missouri	14,747	14,747	75	75	183	183	388	116
Montana			33,813	33,813			1,264	1,264
Nebraska			3,989	3,989			1,566	
Nevada			75	75			596	52
New Hampshire							745	711
New Jersey							3/	3/
New Mexico			149	149			772	772
New York			3/	3/			181	181
North Carolina					129,079	128,788	3/	3/
North Dakota			28,569	28,569			125	125
Ohio			13,128	13,128	251	251	1,383	567
Oklahoma							432	159
Oregon			3/	3/				
Pennsylvania							367	367
Rhode Island								
South Carolina			44	44	18,956	18,956		
South Dakota			144,038	144,038			9,106	5,452
Tennessee					21,002	21,002		
Texas	179,667	179,667	35,039	35,039				
Utah			281	281			2,127	1,039
Vermont							3/	3/
Virginia					33,645	33,645	404	404
Washington			1,537	1,537			84	84
West Virginia					58	58	251	251
Wisconsin					3/	3/	777	472
Wyoming			4,778	4,778			1,923	1,923
Foreign 4/			1,105	1,105				
United States	825,701	825,701	1,574,079	1,505,403	302,431	302,140	34,352	19,937

Continued

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Table 9—Cooperative business volume 1/ by commodity and State, 1985 2/ — Continued

States	Miscellaneous marketing 6/		Total farm products marketed		Building materials		Containers and packaging supplies	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
				1,000 dollars				
Alabama	2,052	2,052	498,864	452,738	6,990	4,953	6,484	6,484
Alaska			3/	3/	3/	3/		
Arizona			472,672	365,431	1,596	617	7,408	
Arkansas	124,403	124,403	826,566	813,273	7,242	6,584	2,316	2,152
California	53,988	53,988	6,524,151	5,386,907	10,539	8,548	70,981	15,896
Colorado	3,573	3,573	523,036	480,456	5,106	3,945	938	938
Connecticut			84,918	75,159	3,823	2,453	316	203
Delaware			43,942	43,875	2,724	1,669	130	84
Florida	4,825	4,825	1,890,056	1,551,273	5,953	5,360	113,997	40,888
Georgia	3/	3/	747,711	727,937	3,564	3,238	6,286	6,286
Hawaii	4,798	4,798	44,429	39,950	2,177	719	814	693
Idaho	3/	3/	441,765	335,885	2,065	2,005	183	183
Illinois	10,253	10,253	3,322,537	2,821,117	21,691	15,191	3,262	3,262
Indiana	34	34	1,608,865	1,338,979	26,025	22,492	43	43
Iowa	1,591	1,591	5,233,409	4,192,451	63,713	59,372	291	291
Kansas	2,844	2,844	1,344,690	1,293,008	17,497	13,693	187	187
Kentucky			435,902	418,033	8,345	5,480	125	125
Louisiana	131	131	546,052	439,121	2,541	1,286	728	710
Maine	3/	3/	64,109	62,020	6,197	4,552	2,522	2,386
Maryland	3/	3/	344,937	325,616	8,433	5,247	128	83
Massachusetts			445,977	420,948	6,528	4,336	1,060	879
Michigan	8,095	8,095	1,618,668	1,422,696	6,896	6,663	5,678	4,382
Minnesota	26,230	26,230	5,412,777	4,195,320	31,218	29,927	2,500	2,500
Mississippi	2,641	2,641	652,796	620,485	7,782	4,672	1,873	1,761
Missouri	3/	3/	1,672,818	1,314,434	13,209	8,978	703	703
Montana			272,713	202,002	4,281	4,225	275	275
Nebraska	12,103	12,103	1,537,616	1,466,945	20,605	17,570	271	271
Nevada	3/	3/	36,884	31,014	95	89	3/	3/
New Hampshire			25,259	22,143	1,525	977	126	81
New Jersey	3/	3/	162,300	144,125	7,647	5,450	5,551	5,369
New Mexico	1,780	1,780	37,763	37,537	136	103	446	446
New York	3/	3/	1,559,514	1,118,629	25,303	17,332	4,451	3,861
North Carolina	3/	3/	471,068	464,294	3,063	2,581	1,904	1,904
North Dakota	237	237	1,457,699	1,187,775	27,324	26,915	906	906
Ohio	70	70	2,328,514	1,745,410	10,314	8,933	1,901	1,901
Oklahoma	611	611	940,063	514,052	6,144	4,725	2,150	1,446
Oregon	3,093	3,093	964,185	751,355	3,315	3,229	5,763	5,763
Pennsylvania	6	6	1,511,613	1,177,304	26,500	17,171	2,970	2,221
Rhode Island			3/	3/	3/	3/	3/	3/
South Carolina	1	1	235,990	161,711	417	417	174	174
South Dakota	1,423	1,423	950,199	788,642	11,902	10,971	110	110
Tennessee	3/	3/	274,925	250,845	18,980	18,536	684	683
Texas	5,719	5,719	1,915,581	1,708,536	5,046	3,451	22,353	14,002
Utah	3/	3/	421,942	155,109	3,180	3,176	1,816	1,816
Vermont			334,035	319,813	5,339	3,421	849	690
Virginia			571,754	564,349	14,122	10,011	192	192
Washington	1,849	1,849	1,939,221	1,313,688	5,644	5,437	23,467	12,107
West Virginia	3/	3/	64,622	64,121	2,329	1,517	44	44
Wisconsin	3/	3/	3,454,816	3,285,515	8,051	6,903	4,104	3,939
Wyoming			41,473	35,093	712	590	3/	3/
Foreign 4/	572,141	572,141	696,700	649,955	57	4	121	121
United States	871,068	871,068	57,032,906	47,320,868	484,958	396,499	309,715	149,550

Continued

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Table 9—Cooperative business volume 1/ by commodity and State, 1985 2/ — Continued

States	Farm chemicals		Farm machinery and equipment		Feed		Fertilizer	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
				1,000 dollars				
Alabama	43,697	22,102	9,062	8,064	118,553	102,682	145,125	93,269
Alaska			3/	3/	3/	3/	3/	3/
Arizona	534	236	219	1	5,937	2,675	2,598	90
Arkansas	58,481	31,231	17,385	8,656	62,638	33,570	132,590	70,942
California	42,013	26,104	13,164	8,483	131,622	123,793	83,304	66,515
Colorado	20,196	9,441	6,630	5,127	36,603	22,261	60,222	37,564
Connecticut	6,097	3,330	2,790	1,788	59,517	48,058	10,691	6,181
Delaware	4,717	3,047	2,080	1,425	13,747	8,057	13,892	8,182
Florida	16,825	14,277	6,602	6,441	69,631	65,887	117,847	46,747
Georgia	36,220	25,685	5,118	5,077	137,188	135,833	83,853	75,205
Hawaii	3,975	1,832	386	198	3,801	3,715	4,772	2,410
Idaho	15,552	9,804	2,694	1,319	11,287	7,975	45,796	26,018
Illinois	293,342	163,316	32,991	20,090	168,587	117,912	624,500	311,206
Indiana	122,771	65,260	7,324	6,451	130,973	87,673	256,115	146,294
Iowa	323,364	177,156	23,824	16,322	467,523	312,856	624,247	365,637
Kansas	8[illegible],692	47,925	22,201	17,451	172,913	122,652	242,571	168,798
Kentucky	25,585	19,519	9,326	7,873	59,098	41,138	56,145	40,805
Louisiana	46,352	23,297	8,410	4,968	28,837	15,459	102,000	41,861
Maine	9,439	6,671	8,088	6,885	29,735	18,277	11,542	7,032
Maryland	18,631	13,253	10,575	8,844	38,601	26,605	47,828	30,961
Massachusetts	5,225	2,919	4,653	3,049	38,075	28,527	9,488	5,730
Michigan	45,835	30,953	6,062	5,922	62,847	50,152	77,578	51,179
Minnesota	244,151	142,347	35,399	19,844	314,628	199,582	405,605	241,325
Mississippi	102,320	56,037	4,016	2,654	50,135	32,135	184,364	99,639
Missouri	79,301	62,464	12,195	9,428	167,921	129,330	218,091	151,126
Montana	[illegible]5,272	6,965	4,213	1,946	19,573	8,439	27,942	20,962
Nebraska	1[illegible],511	70,807	21,983	17,550	157,020	94,708	256,987	181,133
Nevada	527	[illegible]4	233	145	2,423	2,331	520	390
New Hampshire	3,043	1,659	1,116	715	17,679	11,950	5,330	3,075
New Jersey	12,354	7,701	6,265	4,655	47,928	28,772	20,817	13,213
New Mexico	1,089	784	250	208	2,164	1,728	2,218	1,572
New York	69,343	31,670	32,412	23,833	258,079	202,175	102,260	58,926
North Carolina	23,638	13,538	5,999	3,656	67,338	66,901	49,451	33,817
North Dakota	48,511	44,752	13,807	9,045	43,538	22,239	149,731	100,090
Ohio	91,618	58,383	21,541	16,763	157,570	118,778	215,004	132,889
Oklahoma	18,282	5,309	4,615	2,842	54,599	35,601	94,474	51,038
Oregon	21,474	15,382	13,908	12,476	49,312	45,729	33,235	28,000
Pennsylvania	36,933	21,623	23,581	15,542	182,310	118,817	84,709	44,689
Rhode Island	3/	3/	3/	3/	3/	3/	3/	3/
South Carolina	7,729	7,7[illegible]	534	534	24,363	24,267	10,502	9,884
South Dakota	52,521	34,653	12,639	9,424	78,475	50,499	116,027	74,643
Tennessee	57,422	2[illegible],926	14,018	9,486	160,020	87,066	173,296	78,813
Texas	65,107	37,048	10,921	7,165	56,400	34,917	197,983	107,650
Utah	3,925	3,284	2,611	2,456	48,073	47,771	9,159	8,670
Vermont	3/	3/	3,906	2,503	38,649	23,371	15,689	9,675
Virginia	43,367	24,852	11,650	8,557	134,193	107,699	85,419	62,443
Washington	40,640	24,979	14,604	11,327	36,134	32,465	44,261	38,498
West Virginia	5,558	4,148	2,073	1,666	31,556	26,516	16,439	10,961
Wisconsin	86,386	44,282	23,078	15,909	244,316	179,934	249,145	154,204
Wyoming	2,848	832	744	366	5,636	3,671	4,777	1,803
Foreign 4/	537	50	320	253	13,355	4,354	86,647	18,773
United States	2,[illegible]78,082	1,450,803	499,089	356,055	4,315,984	3,120,726	5,614,679	3,341,571

Continued

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Table 9—Cooperative business volume 1/ by commodity and State, 1985 2/ — Continued

States	Meats and groceries		Petroleum		Seed		Miscellaneous supplies 7/	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
				1,000 dollars				
Alabama	54	54	19,014	18,296	33,002	20,280	27,241	23,223
Alaska					3/	3/	3/	3/
Arizona			1,554	1,168	1,320	1,277	13,412	11,669
Arkansas	3,208	3,208	120,796	59,749	16,925	10,134	38,998	24,313
California	15,422	8,292	33,216	7,487	18,679	18,679	26,335	17,210
Colorado	479	479	139,318	87,981	3,967	3,294	27,385	22,646
Connecticut	121	121	24,[illegible]	19,342	2,926	1,592	12,703	7,433
Delaware	15	15	47,732	30,669	2,414	1,463	8,554	4,956
Florida	3/	3/	12,885	10,644	4,106	3,016	8,854	8,160
Georgia	3/	3/	6,484	5,419	13,391	13,270	37,730	37,619
Hawaii	3/	3/	236	45	36	26	1,754	1,335
Idaho	44	44	50,263	47,651	6,513	5,109	16,675	13,087
Illinois	550	550	679,970	358,565	48,573	32,929	54,572	37,481
Indiana	575	575	383,786	252,979	13,177	10,389	32,108	22,094
Iowa	2,461	2,329	1,132,830	518,030	60,223	37,403	89,981	75,363
Kansas	13,122	13,122	925,843	287,899	9,786	9,786	81,915	70,584
Kentucky	76	76	138,591	87,797	14,762	10,683	29,431	20,490
Louisiana	238	238	16,610	6,772	21,812	12,364	23,341	15,182
Maine	3/	3/	37,455	32,328	3,010	1,676	16,419	10,200
Maryland	34	30	188,883	122,621	11,805	7,648	27,181	16,946
Massachusetts	2,139	2,139	36,780	29,060	2,626	1,514	19,767	11,476
Michigan	8,692	8,692	89,857	70,030	12,777	11,061	34,503	25,572
Minnesota	18,834	17,152	657,045	356,230	42,115	31,802	148,437	93,463
Mississippi	3/	3/	29,817	18,401	28,179	17,119	38,041	25,779
Missouri	14,003	14,003	384,294	250,403	24,109	22,523	72,418	39,158
Montana	3,046	3,046	153,262	76,365	3,367	991	29,423	25,188
Nebraska	22,911	22,911	556,094	305,746	9,849	7,788	57,537	44,579
Nevada			796	506	75	75	653	462
New Hampshire	714	714	24,461	19,334	1,439	772	4,410	2,337
New Jersey	2,664	29	71,614	60,283	5,673	3,450	22,006	13,664
New Mexico	3/	3/	37,923	12,029	594	594	1,376	1,276
New York	131	131	846,297	617,652	19,476	13,696	129,411	87,297
North Carolina	3/	3/	20,625	19,928	8,722	8,722	14,348	11,493
North Dakota	5,467	5,467	341,970	193,586	21,831	17,241	65,007	56,232
Ohio	4,174	3,709	200,391	143,868	38,868	30,627	46,656	38,392
Oklahoma	85	85	133,339	71,533	5,053	5,045	23,239	19,009
Oregon	23	23	94,934	52,123	10,939	9,508	34,989	32,437
Pennsylvania	3/	3/	435,237	342,038	18,571	11,235	87,178	52,402
Rhode Island	3/	3/	3/	3/	3/	3/	3/	3/
South Carolina			2,211	2,211	[illegible]62	3,262	4,078	4,078
South Dakota	670	670	273,480	167,148	10,788	8,574	49,090	42,364
Tennessee	3/	3/	67,061	32,694	3[illegible],573	22,493	80,631	39,210
Texas	553	553	170,574	101,126	23,347	22,215	52,563	47,811
Utah	8	8	10,266	5,653	3,367	3,205	11,304	10,358
Vermont	3/	3/	36,942	29,222	4,838	3,059	15,768	8,503
Virginia	2,493	2,491	178,044	116,203	18,523	13,860	70,198	43,849
Washington	7,808	7,808	141,776	79,613	15,765	13,497	34,021	26,876
West Virginia	19	19	35,079	22,758	3,574	2,409	8,024	5,538
Wisconsin	21,145	21,145	533,394	341,665	30,073	19,156	119,323	106,392
Wyoming	3/	3/	36,977	25,028	564	321	4,328	3,450
Foreign 4/	15,896	9,132	421,892	272,950	3,218	3,218	3,504	1,724
United States	172,370	153,002	9,994,658	5,800,524	695,101	510,339	1,859,121	1,361,625

Continued

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Table 9—Cooperative business volume 1/ by commodity and State, 1985 2/ — Continued

States	Total supplies		Services	Total		
	Gross	Net	Receipts 8/	Cooperatives	Gross	Net
	1,000 dollars			Number	1,000 dollars	
Alabama	409,223	299,407	7,610	80	915,697	759,755
Alaska	3/	3/	3/	1	3/	3/
Arizona	34,328	17,733	5,937	14	512,937	389,121
Arkansas	460,579	250,541	59,295	102	1,346,440	1,123,109
California	445,276	301,006	82,737	233	7,052,164	5,770,650
Colorado	300,844	153,676	15,702	73	839,582	689,834
Connecticut	123,455	90,501	3/	5	209,761	167,048
Delaware	96,005	59,568	844	5	140,792	104,287
Florida	350,351	202,525	44,422	66	2,292,829	1,798,220
Georgia	329,871	307,667	5,566	21	1,083,149	1,041,170
Hawaii	17,958	10,975	474	28	62,862	51,400
Idaho	151,073	113,195	12,446	60	605,284	461,526
Illinois	1,928,038	1,060,503	90,259	269	5,340,834	3,971,879
Indiana	972,897	614,239	31,500	82	2,613,261	1,984,718
Iowa	2,788,457	1,564,758	159,018	373	8,180,885	5,916,227
Kansas	1,568,727	752,097	108,244	233	3,021,662	2,153,350
Kentucky	341,485	233,986	8,576	92	785,963	660,595
Louisiana	250,868	122,136	11,988	70	808,909	573,244
Maine	124,658	90,259	2,736	7	191,503	155,016
Maryland	352,118	232,258	4,778	24	701,834	562,653
Massachusetts	126,342	89,628	503	16	572,823	511,079
Michigan	350,726	264,606	36,437	100	2,005,831	1,723,739
Minnesota	1,899,931	1,134,172	99,670	566	7,412,378	5,429,162
Mississippi	446,624	258,294	28,233	142	1,127,653	907,012
Missouri	986,244	688,116	71,046	110	2,730,108	2,073,596
Montana	261,654	148,402	5,885	120	540,252	356,290
Nebraska	1,215,779	763,062	135,910	236	2,889,304	2,365,917
Nevada	5,389	4,330	1,350	5	43,624	36,695
New Hampshire	59,843	41,614	402	2	85,503	64,158
New Jersey	202,518	142,586	4,845	23	369,662	291,555
New Mexico	46,195	18,741	2,930	15	86,888	59,208
New York	1,487,162	1,056,572	31,773	200	3,078,450	2,206,974
North Carolina	195,107	162,559	7,449	34	673,624	634,302
North Dakota	718,091	476,473	35,947	391	2,211,738	1,700,195
Ohio	788,037	554,244	48,245	151	3,164,795	2,347,898
Oklahoma	341,981	196,633	56,206	140	1,338,250	766,891
Oregon	267,892	204,669	39,619	50	1,271,707	995,643
Pennsylvania	898,415	626,161	16,043	84	2,426,071	1,819,508
Rhode Island	3/	3/	3/	1	3/	3/
South Carolina	53,270	52,536	899	17	290,158	215,165
South Dakota	605,701	399,055	26,578	222	1,582,477	1,214,275
Tennessee	608,886	316,109	6,219	101	890,030	573,173
Texas	604,848	375,939	176,456	387	2,696,886	2,260,932
Utah	93,708	86,396	1,263	39	516,914	242,768
Vermont	130,262	85,036	1,217	6	465,514	406,066
Virginia	558,201	390,156	8,360	101	1,138,316	962,866
Washington	364,120	252,608	81,801	122	2,385,142	1,648,096
West Virginia	104,696	75,476	1,369	44	170,698	140,967
Wisconsin	1,319,014	893,529	55,785	342	4,829,616	4,234,830
Wyoming	58,192	37,668	1,211	20	100,876	73,971
Foreign 4/	545,547	310,578	1,820		1,244,067	962,353
United States	26,423,757	16,640,694	1,639,878	5,625	85,096,541	65,601,440

See next page for footnote references.

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Footnotes to table 9

1/ Data covering operations of cooperatives whose business years ended during the 1985 calendar year. Includes independent local cooperatives, federations, centralized cooperatives, and cooperatives with mixed organizational structures. The volume of products marketed is allocated to the State in which they originate and the volume of farm supplies is allocated to the State in which they are sold; service volume is allocated to the State or origin when services relate to farm products marketed or to the State of destination when related to farm supplies sold.

2/ Gross business volume includes sales between cooperatives. Net business volume excludes sales between cooperatives. Totals may not add due to rounding.

3/ Dollar volume is not shown to avoid disclosing operations of individual cooperatives.

4/ Includes value of farm products imported, farm supplies exported, services related to imported farm products or exported farm supplies, sales to domestic military installations, or sales of farm products not received directly from member-patrons.

5/ Included in dollar volume of California.

6/ Includes forest products, hays, hops, nursery stock, coffee, and other farm products not separately classified. Also includes manufactured food products and resale items marketed by cooperatives.

7/ Includes automotive supplies, hardware, chicks, and other supplies not separately classified.

8/ Receipts for services related to marketing and purchasing activities but not included in the volumes reported for these activities.

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Table 10--Selected balance sheet data for farmer cooperatives, 1986

Principal products marketed and major function	Cooperatives 1/	Total assets	Total liabilities	Net worth
	Number	1,000 dollars		
Products marketed:				
Cotton	396	1,285,208	750,810	535,398
Dairy	345	3,942,169	2,389,701	1,552,468
Fruit & vegetables	344	3,213,011	2,150,888	1,062,123
Grain, soybeans, and soybean meal & oil	1,514	5,004,030	2,765,437	3,238,593
Livestock, wool, and poultry	469	703,641	437,351	266,290
Rice	49	373,631	215,297	158,334
Sugar	40	964,200	584,383	379,817
Other products 2/	103	718,407	498,824	219,583
Total farm products	3,260	17,205,297	9,792,691	7,412,506
Total farm supplies	1,971	9,115,404	4,735,360	4,380,044
Total related services	138	174,646	72,676	101,970
Combined total	5,369	26,495,347	14,600,727	11,894,620

1/ Many cooperatives are multiproduct and multifunctional in operations and are classified according to predominant commodity or function indicated by business volume.
2/ Includes dry edible beans and peas, nuts, tobacco, and miscellaneous products.

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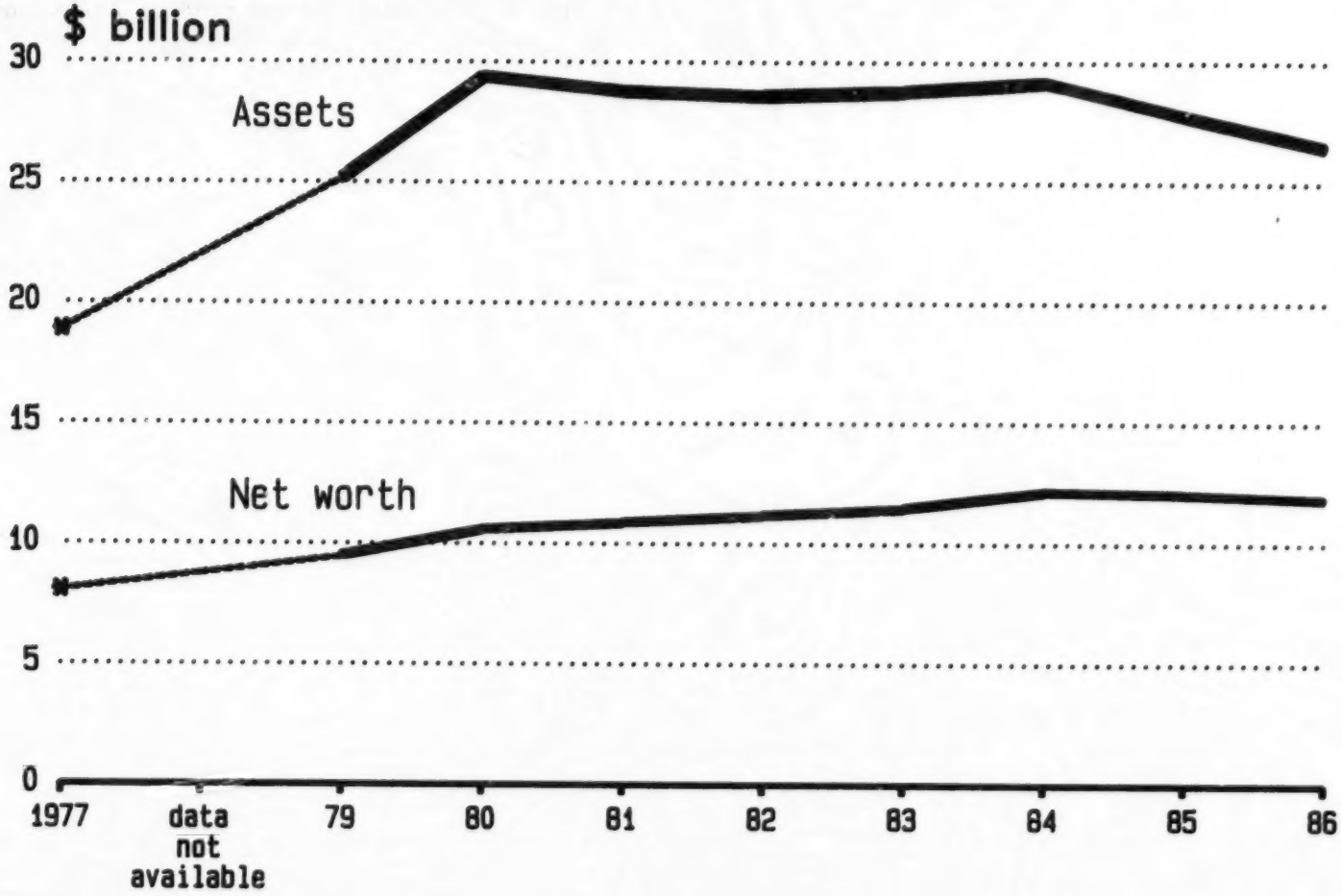
Figure 6

Assets and Net Worth of Farmer Cooperatives



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35

Table 11--Assets of farmer cooperatives, 1986

Principal products marketed and major function	Cooperatives 1/	Assets from own operations	Investments in other cooperatives	Total assets	Investments in other co-ops as percent of total
	Number	--------1,000 dollars-------			Percent
Products marketed:					
Cotton	396	1,198,382	87,826	1,286,208	6.8
Dairy	345	3,577,396	364,773	3,942,169	9.3
Fruits & vegetables	344	3,138,428	74,583	3,213,011	2.3
Grain, soybeans, and soybean meal & oil	1,514	5,063,686	940,344	6,004,030	15.7
Livestock, wool, and poultry	469	661,293	42,348	703,641	6.0
Rice	49	364,755	8,876	373,631	2.4
Sugar	40	960,162	4,038	964,200	0.4
Other products 2/	103	710,040	8,367	718,407	1.2
Total farm products	3,260	15,674,142	1,531,155	17,205,297	8.9
Total farm supplies	1,971	7,799,331	1,316,073	9,115,404	14.4
Total related services	138	165,139	9,507	174,646	5.4
Combined total	5,369	23,638,612	2,856,735	26,495,347	10.8

1/ Many cooperatives are multiproduct and multifunctional in operations and are classified according to predominant commodity or function indicated by business volume.
2/ Includes dry edible beans and peas, nuts, tobacco, and miscellaneous products.

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36

Table 12--Balance sheet data of farmer cooperatives, selected years 1/

Years	Total liabilities	Net worth	Total assets	Investments in other cooperatives	Assets from own operations
			Million dollars		
1954	1,437	1,914	3,351	278	3,073
1962	2,266	3,057	5,323	498	4,825
1970	4,527	3,950	8,477	796	7,681
1976	10,827	7,727	18,554	1,586	16,968
1977	10,879	8,061	18,940	2,088	16,852
1979	15,607	9,546	25,153	2,248	22,905
1980	18,325	10,591	29,416	2,490	26,926
1981	17,918	10,922	28,840	2,585	26,255
1982	17,394	11,159	28,553	2,751	25,802
1983	17,275	11,535	28,810	2,945	25,864
1984	17,001	12,181	29,182	2,981	26,201
1985	15,726	12,053	27,779	3,270	24,509
1986	14,601	11,895	26,496	2,857	23,639

1/ Data for 1954, 1962, 1970, and 1975 were taken from ACS financial profile studies. These studies do not include all cooperatives.

Table 13--Net margins of farmer cooperatives, selected years 1/

Years	From other cooperatives	From own operations	Total
		Million dollars	
1954	57	275	332
1962	62	464	525
1970	40	438	478
1976	515	1,330	1,844
1977	390	956	1,345
1979	294	1,262	1,555
1980	541	1,403	1,944
1981	558	882	1,440
1982	294	560	854
1983	193	863	1,055
1984	185	824	1,009
1985	210	566	775
1986	140	548	688

1/ Data for 1954, 1962, 1970, and 1976 were taken from ACS financial profile studies. These studies do not include all cooperatives. Totals may not add due to rounding.

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Marketing cooperatives' net margins of $725 million were up 20.9 percent from the $600 million generated in 1985 (table 14). Cooperatives whose principal commodity was grain, soybeans, and soybean meal and oil increased 69.6 percent from 1985 and accounted for the largest percent of marketing cooperatives' net margins (29.4 percent).

Farm supply cooperatives experienced a loss of $66.4 million, a severe drop from the $150 million net margin in 1985--a decrease of 144.4 percent. The largest drop in net margins of farm supply cooperatives came from their own operations--down from $60.6 million net to a $106.9 million loss. The decline was mainly due to large losses incurred by some of the larger cooperatives. Losses from all farm supply cooperatives totaled $293.8 million.

Farmer cooperatives' net margins from their operations totaled $547.6 million--down 3.2 percent from $566 million. More than 20.4 percent, or $140.4 million, of total net margins was generated from other cooperatives. These were down 27 percent. Marketing cooperatives' net margins from other cooperatives decreased from 19.8 percent to 13.6 percent of the total. Nearly 20.1 percent of the net margins generated by grain cooperatives came from other cooperatives.

Other Service Organizations

Other types of service cooperatives or organizations were operating in 1986 besides those directly related to marketing and farm purchasing. Data for these organizations are shown by farm credit district in table 15 and by State in table 16. A map showing States in each district appears as figure 8.

Federal Land Bank Associations

Federal land bank associations totaled 234 with more than $38.3 billion in outstanding loans throughout the United States and Puerto Rico. The Texas district led all farm credit districts with 18.8 percent of the total number of associations and the Omaha district ranked second with 13.2 percent. Total assets of the federal land bank associations were nearly $45.9 billion. Net worth was $2 billion, representing more than 4.3 percent of the total assets. The St. Paul district was the leader in outstanding loans ($5.5 billion) and assets ($6.8 billion). However, the Columbia district led in net worth with 12 percent of the total followed closely by the Sacramento district.

Production Credit Associations

Production credit associations (PCAs), totaling 155, had outstanding loans of nearly $10.7 billion. Assets totaled $12.9 billion while net worth, of nearly $2.3 billion, financed 17.5 percent of the total.

The Sacramento district was the leading PCA in three categories nationally, accounting for 20 percent of total outstanding loans, 18.5 percent of total assets, and 13.8 percent of total net worth.

5/ Includes dry edible beans and peas, nuts, tobacco, and miscellaneous products.

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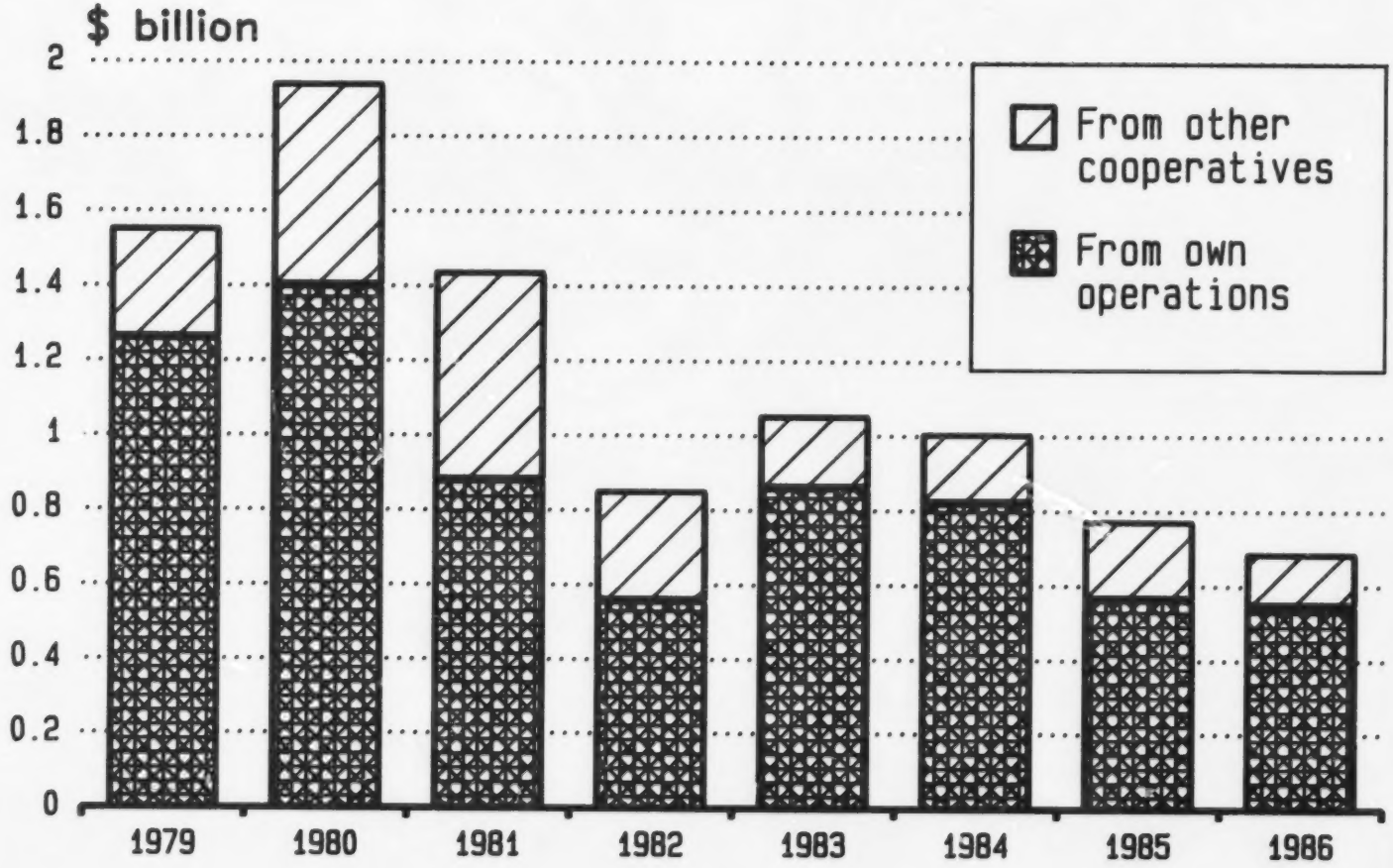
Figure 7

Net Margins of Farmer Cooperatives



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39

Table 14--Farmer cooperative net margins, 1986 1/

Principal products marketed and major function	Cooperatives 2/	Total net margins	Margins from own operations	Margins from other cooperatives
	Number	1,000 dollars		
Products marketed:				
Cotton	396	125,402	113,445	11,956
Dairy	345	200,865	164,510	36,355
Fruits & vegetables	344	73,911	69,012	4,899
Grain, soybeans, and soybean meal & oil	1,514	213,275	170,455	42,820
Livestock, wool, and poultry	469	72,278	71,977	301
Rice	49	8,236	5,884	2,352
Sugar	40	17,630	17,472	158
Other products 3/	103	13,402	13,369	33
Total farm products	3,260	724,999	626,125	98,874
Total farm supplies	1,971	(66,358)	(106,947)	40,589
Total related services	138	29,329	28,410	919
Combined total	5,369	687,970	547,588	140,382

1/ Number of cooperatives includes cooperatives operating on a pooling basis that had no net margins.
2/ Many cooperatives are multiproduct and multifunctional in operations and are classified according to predominant commodity or function indicated by business volume.
3/ Includes dry edible beans and peas, nuts, tobacco, and miscellaneous products.

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Table 15—Number and level of activity of Farm Credit System cooperatives by district 1/

Districts 2/	Federal land bank associations	Federal Land Banks			Production Credit Associations				Bank For Cooperatives 3/		
		Net worth	Assets	Net loans outstanding	Associations	Net worth	Assets	Net loans outstanding	Net worth	Assets	Net loans outstanding
	Number		1,000 dol.		Number		1,000 dol.			1,000 dol.	
Springfield	18	86,200	968,479	832,440	18	105,375	622,183	554,243	45,311	185,540	131,459
Baltimore	26	176,656	2,090,839	1,843,695	26	147,211	789,847	706,113	19,398	88,355	51,292
Columbia	20	239,816	4,488,646	3,956,204	1	271,511	1,239,178	921,333	66,149	337,320	253,361
Louisville	9	156,914	3,518,952	3,088,193	5	267,313	1,220,816	902,741	92,892	412,223	324,041
Jackson	1	54,567	2,410,211	1,895,618	2	128,139	558,398	459,100	104,077	472,397	340,480
St. Louis	21	176,153	4,477,357	3,724,969	4	223,263	796,809	631,709	82,873	395,888	264,430
St. Paul	26	181,395	6,796,740	5,516,146	24	273,167	2,300,661	1,884,492	231,797	1,171,922	847,104
Omaha	31	193,495	5,063,469	4,086,571	1	66,380	713,546	539,546	84,912	387,437	262,026
Wichita	15	225,335	4,330,488	3,616,426	18	164,466	736,604	576,933	139,091	500,517	370,551
Texas	44	155,786	3,137,405	2,454,498	28	218,809	996,124	883,055	41,380	234,089	136,595
Sacramento	22	238,540	5,100,961	4,285,297	25	310,551	2,385,396	2,132,718	85,590	590,598	523,218
Spokane	1	108,035	3,513,317	3,027,227	2	81,872	555,626	480,978	52,152	318,955	227,666
United States	234	1,992,892	45,896,864	38,327,374	155	2,258,057	12,915,188	10,672,961	1,045,632	5,075,231	3,732,273

1/ For year ended December 31, 1986. Source: Summary Report of Condition and Performance of the Farm Credit System
2/ See figure 8.
3/ Does not include the Central Bank for Cooperatives which had net worth of $339,498,000; assets of $5,133,055,000; and net loans outstanding of $3,646,280,000.

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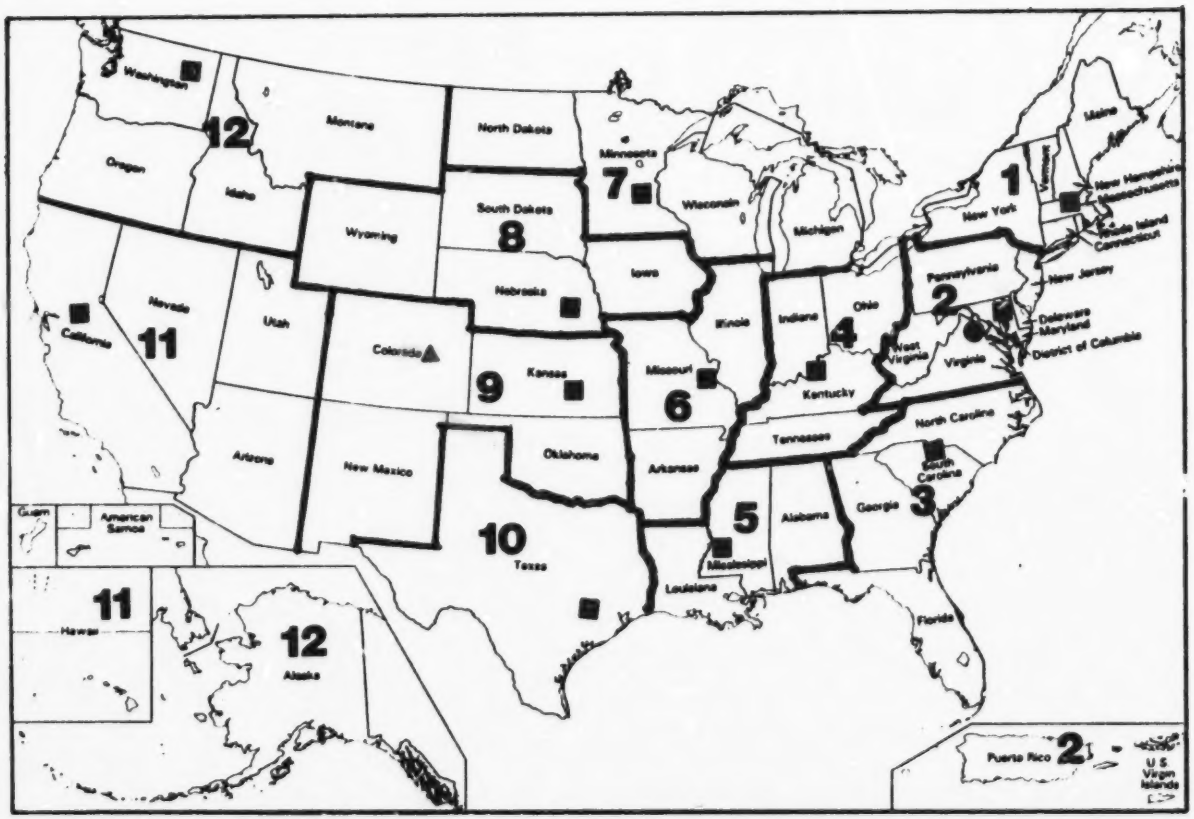
41

Figure 8

Cooperative Farm Credit Districts



1 - Springfield, MA
2 - Baltimore, MD
3 - Columbia, SC
4 - Louisville, KY
5 - Jackson, MS
6 - St. Louis, MO
7 - St. Paul, MN
8 - Omaha, NB
9 - Wichita, KS
10 - Houston, TX
11 - Sacramento, CA
12 - Spokane, WA

● Farm Credit Administration (McLean, VA)
■ Farm Credit Banks for Cooperatives
▲ Central Bank for Cooperatives (Denver, CO)

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42

Banks for Cooperatives

The 12 district banks for cooperatives along with the Central Bank had outstanding loans of $7.4 billion. Total assets were $10.2 billion and net worth totaled $1.4 billion. The proportion of total assets financed by equity was 13.6 percent.

The St. Paul district led all farm credit districts with 22.7 percent of the outstanding loans, 23.1 percent of the total assets, and 22.2 percent of member equity.

Rural Credit Unions

Rural credit unions numbered 874 with 2,956,082 members holding share savings of more than $7.3 billion (table 16).

Wisconsin led all States in number of associations with 10.1 percent of total, while California led in number of members, with 22.4 percent of the total, and in loans made with 26.4 percent of the total.

Rural Electric Cooperatives

Rural electric cooperatives, totaling 920, reported nearly 10.4 million consumer members and revenue of nearly $19.6 billion.

Texas again led all States, with 8.5 percent of total associations and 9.4 percent of total consumer memberships, while Georgia led in revenue with 7.8 percent of the total.

Rural Telephone Cooperatives

Rural telephone cooperatives borrowing from the Rural Electrification Administration (REA), totaled 248, with revenues of nearly $637 million and 1,059,469 subscriber members.

Iowa again had the largest number of cooperatives (13.3 percent of the total), while South Carolina accounted for more subscriber memberships (9.1 percent) than any other State. Texas led all States in revenue, with 12.6 percent of total.

Dairy Herd Improvement Associations

Dairy herd improvement memberships numbered 35,250 and cows tested totaled nearly 2.9 million.

New York (2,761), Pennsylvania (4,341), Minnesota (4,510), and Wisconsin (8,884) combined accounted for 58.1 percent of total members. More than 529,000, or 18.4 percent, of the cows tested were in California.

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Table 16--Number, participation, and level of activity of service cooperatives by State 1/

States	Rural Credit Unions 2/			Rural Electric Cooperatives			Rural Telephone Cooperatives 3/		
	Cooperatives	Members	Loans made during year	Cooperatives	Members (consumers)	Revenue	Cooperatives	Members (subscribers)	Revenue
	Number		1,000 dol.	Number		1,000 dol.	Number		1,000 dol.
Alabama	11	16,960	35,339	24	327,625	442,302	3	18,915	8,669
Alaska	1	16,917	37,588	13	150,403	249,850	7	33,849	40,176
Arizona	5	13,039	23,052	7	85,577	223,280	1	2,772	3,707
Arkansas	4	2,953	4,954	20	299,592	629,897	2	6,227	2,869
California	78	662,664	1,935,678	3	11,776	14,061			
Colorado	17	24,415	33,557	24	276,626	715,420	5	7,204	5,063
Connecticut	2	1,262	1,271						
Delaware	1	1,936	5,263	1	37,652	31,280			
Florida	23	76,170	173,569	16	521,971	940,576			
Georgia	23	29,168	46,715	43	884,809	1,516,799	4	20,497	9,511
Hawaii	19	76,797	295,563						
Idaho	15	14,810	23,304	9	42,306	47,601	3	8,602	4,328
Illinois	20	47,621	98,334	30	207,737	437,448	7	21,648	12,749
Indiana	25	40,113	185,233	43	329,128	738,846	9	25,070	12,933
Iowa	16	8,109	11,636	50	171,009	349,272	33	51,253	23,802
Kansas	35	74,661	189,337	37	170,660	415,115	10	38,266	27,599
Kentucky	7	22,941	42,812	28	478,295	1,064,107	8	70,698	33,788
Louisiana	13	15,660	19,366	14	308,276	902,200			
Maine	11	21,810	38,127	4	13,085	8,287			
Maryland	7	38,076	119,552	2	108,783	132,422			
Massachusetts	9	8,568	9,666						
Michigan	33	317,369	483,301	14	191,698	164,160			
Minnesota	41	134,415	294,777	50	458,327	796,214	19	61,109	30,170
Mississippi	8	5,063	2,755	23	441,600	729,538			
Missouri	9	15,222	24,425	47	449,535	1,042,280	8	42,080	23,407
Montana	17	50,970	133,891	25	93,691	130,055	9	33,289	32,034
Nebraska	19	10,417	19,849	4	11,972	101,493	7	12,190	5,979
Nevada	7	24,976	65,228	3	14,005	21,789			
New Hampshire	2	1,330	750	1	54,513	38,229			
New Jersey	7	10,926	12,418	1	8,846	10,215			
New Mexico	4	41,304	132,089	17	130,872	325,701	5	14,110	18,695
New York	36	127,001	292,001	4	11,760	7,715			
North Carolina	20	28,936	40,561	29	525,504	983,781	9	88,657	34,646
North Dakota	44	78,523	257,289	25	99,313	729,694	10	52,105	31,749
Ohio	20	43,589	46,388	28	244,304	427,067	7	6,396	2,753
Oklahoma	5	7,087	19,310	27	334,526	531,764	2	38,556	29,845
Oregon	13	47,947	115,585	14	94,588	116,031	10	31,751	20,763
Pennsylvania	25	26,303	36,977	13	163,132	280,677			
Rhode Island	5	52,370	277,341						
South Carolina	4	7,345	20,758	22	383,021	745,422	6	96,347	47,972
South Dakota	10	9,552	18,182	34	104,778	234,748	14	40,651	24,966
Tennessee	14	12,248	21,034	20	562,675	618,218	7	86,620	37,037
Texas	41	87,818	212,870	78	972,320	1,452,811	21	95,541	80,419
Utah	13	10,499	19,682	5	21,310	176,761	3	6,865	6,929
Vermont	8	8,788	11,858	3	18,110	26,860			
Virginia	11	32,020	61,442	14	261,073	499,480	5	12,975	6,279
Washington	19	119,960	332,815	9	53,158	58,607			
West Virginia	6	3,888	2,311	1	4,650	2,541	2	2,467	1,286
Wisconsin	88	421,489	1,038,197	30	170,815	312,522	11	31,920	15,647
Wyoming	3	4,077	5,037	13	55,448	142,291	1	930	731
United States	874	2,956,082	7,329,037	920	10,371,054	19,561,427	248	1,059,469	636,600

Continued

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Table 16--Number, participation, and level of activity of service cooperatives by State 1/
Continued

State	Dairy Herd Improvement 4/		State	Dairy Herd Improvement 4/	
	Members (herds)	Cows tested		Members (herds)	Cows tested
	Number			Number	
Alabama	119	15,295	Montana	93	8,746
Alaska	3	473	Nebraska	291	21,889
Arizona	74	40,776	Nevada	39	8,905
Arkansas	98	6,958	New Hampshire	111	7,704
California	1,175	529,218	New Jersey	143	12,256
Colorado	132	22,427	New Mexico	21	9,300
Connecticut	71	5,978	New York	2,761	205,708
Delaware	50	4,992	North Carolina	433	53,266
Florida	46	17,874	North Dakota	95	6,411
Georgia	212	28,845	Ohio	1,684	103,995
Hawaii	12	7,731	Oklahoma	146	11,823
Idaho	349	36,216	Oregon	388	49,578
Illinois	822	48,803	Pennsylvania	4,341	244,283
Indiana	369	23,633	Rhode Island	7	342
Iowa	1,636	83,828	South Carolina	102	17,368
Kansas	497	33,973	South Dakota	296	19,308
Kentucky	351	24,439	Tennessee	398	40,471
Louisiana	143	15,299	Texas	241	41,640
Maine	136	7,807	Utah	282	34,856
Maryland	457	39,912	Vermont	427	27,520
Massachusetts	117	6,710	Virginia	734	76,581
Michigan	842	66,632	Washington	435	67,535
Minnesota	4,510	231,228	West Virginia	119	10,061
Mississippi	138	15,204	Wisconsin	8,884	460,412
Missouri	401	28,350	Wyoming	9	667
			United States	35,250	2,883,837

1/ For year ended December 31, 1986.
2/ Source: Credit Union National Association, Inc. (Includes federally chartered and State-chartered credit unions.)
3/ Source: Rural Electrification Administration, USDA.
4/ Source: Agricultural Research Service, USDA.

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U.S. Department of Agriculture
Agricultural Cooperative Service
Washington, D.C. 20250

Agricultural Cooperative Service (ACS) provides research, management, and educational assistance to cooperatives to strengthen the economic position of farmers and other rural residents. It works directly with cooperative leaders and Federal and State agencies to improve organization, leadership, and operation of cooperatives and to give guidance to further development.

The agency (1) helps farmers and other rural residents develop cooperatives to obtain supplies and services at lower cost and to get better prices for products they sell; (2) advises rural residents on developing existing resources through cooperative action to enhance rural living; (3) helps cooperatives improve services and operating efficiency; (4) informs members, directors, employees, and the public on how cooperatives work and benefit their members and their communities; and (5) encourages international cooperative programs.

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